

19991214.qrp v01_n669.qrl.991214

Date: Tue, 14 Dec 1999 19:03:09 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1669

QRP-L Digest 1669

Topics covered in this issue include:

- 1) [57939] HEATH PAINT?
by "Richard Williams" <richard.a.williams@attcanada.net>
- 2) [57940] Re: NC20 in Pakistan
by "George Dobbs" <g3rjv@gqrp.demon.co.uk>
- 3) [57941] Re: How CW on FM?
by "Chuck Carpenter" <w5usj@globeco.net>
- 4) [57942] RE: HEATH PAINT?
by "Mike D." <hrg@megsinet.net>
- 5) [57943] Re: Learning Code is Easy
by "Chuck Carpenter" <w5usj@globeco.net>
- 6) [57944] MPN3401 vs MPN3404
by Skip <longbeard@cybernet1.com>
- 7) [57945] Re: Learning Code is Easy
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 8) [57946] texas connectors
by "John A. Evans - N0HJ" <jaevalans@codenet.net>
- 9) [57947] 2N2 Certificates
by PDouglas12@aol.com
- 10) [57948] Morse Code and Integrity
by QRP <qrp@email.com>
- 11) [57949] Osmotic code practice
by Jim/Julia <w7ls@blarg.net>
- 12) [57950] Re: How CW on FM?
by K10J <k10j@ditdit.com>
- 13) [57951] RE: Keeping your wire antenna in the trees
by Ray Colbert <af852@rgfn.epcc.edu>
- 14) [57952] Re: NC20 in Pakistan
by J38AL@aol.com
- 15) [57953] HEATH PAINT
by "Richard Williams" <richard.a.williams@attcanada.net>
- 16) [57954] Re: External Keyer w/DSW or NC20
by MertNellis@aol.com
- 17) [57955] K2 in the 10 Meter Contest
by "Lawrence T. Owens" <w4dec@dibbs.net>
- 18) [57956] Tuna Tin II web site, de N4UY
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 19) [57957] Re: 10m contest and Email callsign server and etc

- by Mark R Milburn <kq0i@juno.com>
- 20) [57958] fun chasing Fox again....
by "Brian L. Lewis" <bl@csi.com>
- 21) [57959] Elecraft K2 for sale
by "Michael Gusky" <mgusky@bellsouth.net>
- 22) [57960] RE: Keeping your wire antenna in the trees
by Robert McConnell <rmcconne@lightlink.com>
- 23) [57961] Christmas Present for Yourself!
by "Ron Polityka" <wb3aal@talon.net>
- 24) [57962] [RE] FOX
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 25) [57963] FOX: LOUD, LOUD, LOUD
by Shephed@aol.com
- 26) [57964] Re: Learning Code is Necessary
by "Frank Grigaliunas" <fgrig@iea.com>
- 27) [57965] Re: Learning Code is Easy
by semann@tcia.net (Steven Mann)
- 28) [57966] Re: Learning Code is Easy
by semann@tcia.net (Steven Mann)
- 29) [57967] HP voltage sensing LED
by Philip L Carter <pcarter@gcfn.org>
- 30) [57968] Re: How CW on FM?
by "Geoff Foster" <gfoster@provide.net>
- 31) [57969] "new" boat anchor
by bob evinger <revinger@comwares.net>
- 32) [57970] RE: How CW on FM?
by "AI2Q Alex" <ai2q@ispchannel.com>
- 33) [57971] RE: 2N2 Certificates
by "AI2Q Alex" <ai2q@ispchannel.com>
- 34) [57972] Re: Learning Code is Easy
by NB6M@aol.com
- 35) [57973] Re: "new" boat anchor
by "John Moriarity" <k6qq@hdo.net>
- 36) [57974] Re: "new" boat anchor
by bob evinger <revinger@comwares.net>
- 37) [57975] Re: "new" boat anchor
by Roger Hightower <n7kt@earthlink.net>
- 38) [57976] Re: Solder Station
by "jmb" <jmb@cruzio.com>
- 39) [57977] Re: FYBO 2000
by KB0R@aol.com
- 40) [57978] Re: NC20 in Pakistan
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 41) [57979] SET QRP-L MAIL POSTPONE
by Roger J Wendell <zeekzilch@juno.com>
- 42) [57980] Re: "new" boat anchor
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 43) [57981] The Fox of Foxes

by "George T. Baker" <w5yr@worldnet.att.net>
44) [57982] Re: Learning Code is Easy
by Mike <mmorrow@companet.net>
45) [57983] Re: 10m CONTEST
by "Don Wines" <dwines@tyler.net>
46) [57984] FOX:
by Monte Stark <ku7y@dri.edu>
47) [57985] A serious seasonal thought- worthy of reading
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
48) [57986] RE: More on the tube QRP rigs
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
49) [57987] Re: CONTEST: ARRL 10 m contest
by Bob Patten <n4bp@bc.seflin.org>
50) [57988] Thanks for FOX Pelt tonight :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
51) [57989] Re: FYBO 2000
by Macstein@aol.com
52) [57990] The Holiday Sprint and the Xmas Milliwatt Test...
by jmarran@juno.com
53) [57991] QST QRP column a reality
by Mike Czuhajewski <wa8mcq@erols.com>
54) [57992] The Morse Code
by John R Kirby <n3aaz-qrp@juno.com>
55) [57993] Re: Learning Code is Necessary
by "Robert M. Ganter" <hb9dnn@gmx.net>
56) [57994] RE: Learning Code is Easy
by Karl Kanalz <KKanalz@excel.com>
57) [57995] Morse Code and Integrity - 1800's been there, done that!
by "Christopher Cox" <cobox@urec.net>
58) [57996] RE: Keeping your wire antenna in the trees
by wgabriel@dukeengineering.com
59) [57997] FYBO 2000 and ND/QRP Club outing
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
60) [57998] Re: "new" boat anchor
by Ray Colbert <af852@rgfn.epcc.edu>
61) [57999] Screw Driver antenna.
by Wayne Alexander <walexan@ipa.net>
62) [58000] Re: Keeping your wire antenna in the trees
by "Edward A Kwik jr" <eakwikjr@hti.com>
63) [58001] HF mobile antennas FS
by "Ken Simpson" <W8EK@fdt.net>
64) [58002] Re: FYBO 2000
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
65) [58003] Re: Learning Code is Necessary
by "Mike Yetsko" <myetsko@insydesw.com>
66) [58004] Re: [Elecraft] Weller Stations on Sale !!
by Phil Wheeler <w7ox@mindspring.com>
67) [58005] Re: QRQ NET PRACTICE Sentences:

- by Maurice L Haynes <kv7g@juno.com>
- 68) [58006] Re: FYBO 2000
by Chris Cartwright Sr <ccart@phideaux.com>
- 69) [58007] KOKOPELLI 1--Date & Detail
by "Rod Cerkoney" <rlw@fiii.com>
- 70) [58008] Fox Hunt
by w2xn@juno.com
- 71) [58009] RE: Keeping your wire antenna in the trees
by Karl Kanalz <KKanalz@excel.com>
- 72) [58010] FOX: N5IW preliminary log and comments
by Cw4n5iw@aol.com
- 73) [58011] Re: Learning Code is Easy
by NB6M@aol.com
- 74) [58012] RE: Antenna Supports
by Charles Greene <cgreene@loa.com>
- 75) [58013] RE: Vacuum tube rigs for milliwatting A LOT OF FUN !
by Charles Greene <cgreene@loa.com>
- 76) [58014] Re: FYBO 2000 and ND/QRP Club
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 77) [58015] Re: QRQ NET PRACTICE Sentences:
by Ed Loranger <we6w@qsl.net>
- 78) [58016] Re: Learning Code is Easy
by "Mike Yetsko" <myetsko@insydesw.com>
- 79) [58017] CW learning for me. Long
by Jim Durkin <jimdurkin@yahoo.com>
- 80) [58018] Re: FYBO 2000 and ND/QRP Club
by Chris Cartwright Sr <ccart@phideaux.com>
- 81) [58019] Fox:Good company
by Ed Loranger <we6w@qsl.net>
- 82) [58020] Cards on the table...
by Ed Loranger <we6w@qsl.net>
- 83) [58021] Re: Antenna Tree Supports
by "Arthur G. Silvers" <ags@ieee.org>
- 84) [58022] Re: ANT: The rationale of using Ladder line on Non resonant Antenna
by "Arthur G. Silvers" <ags@ieee.org>
- 85) [58023] Re: CW learning for me. Long
by zmola@campbellsci.com
- 86) [58024] Antenna Analyzers???
- by "Tom Scott" <tscott@eni.net>
- 87) [58025] HB: Parts
by Wa3ptg@aol.com
- 88) [58026] interesting link
by George Badger <geo@mbari.org>
- 89) [58027] Re: FYBO 2000 and ND/QRP Club
by "Bob Tellefsen" <n6wg@earthlink.net>
- 90) [58028] HB:Euramcom pages
by "Mel Evans, Registered Arachne User" <mel@euramcom.freeserve.co.uk>
- 91) [58029] laminate from Sergio

- by wj5o@juno.com
- 92) [58030] Installing Silver contacts on k8ff paddles ??
by "James Apple" <wb1dog@hotmail.com>
- 93) [58031] N/T+ Fox : KF4YWT NOT!
by dnt1@daimlerchrysler.com
- 94) [58032] Re: CW learning for me. Long
by JClinton46@aol.com
- 95) [58033] Re: Installing Silver contacts on k8ff paddles ??
by Bob Patten <n4bp@bc.seflin.org>
- 96) [58034] Re: How CW on FM?
by AD6EZ@aol.com
- 97) [58035] Re: CW learning and Ameco Code LP
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 98) [58036] Re: How CW on FM?
by "Bill Allen" <bill@pcatexas.com>
- 99) [58037] CW Learning.
by Ed Loranger <we6w@qsl.net>
- 100) [58038] Finding the REAL Don Johnson...
by "Radman" <radman@best.com>
- 101) [58039] Antennas and Falling weights.
by Ed Loranger <we6w@qsl.net>
- 102) [58040] Re Questions
by CLAUDE PALUSKI <claudewb9euu@juno.com>
- 103) [58041] Ten-Tec Triton IV for sale
by "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>
- 104) [58042] K2 Sold!
by "Michael Gusky" <mgusky@bellsouth.net>
- 105) [58043] Nets/Activities and Vacation.
by Ed Loranger <we6w@qsl.net>
- 106) [58044] Re: Vacuum tube rigs for milliwatting A LOT OF FUN !
by "Hugo Catta" <h.catta@worldnet.att.net>
- 107) [58045] Wednesday night CW net
by Mark R Milburn <kq0i@juno.com>
- 108) [58046] ARRL Frequncy Guide
by Joel Malman <malman@world.std.com>
- 109) [58047] Re: laminate from Sergio
by sergio <sruiz@bright.net>
- 110) [58048] Re: How CW on FM?
by kc8aon@juno.com
- 111) [58049] FS: ICOM 706 MK2 w/500hz CW Filter
by "J. Ervin Bates" <w8erv@email.msn.com>
- 112) [58050] Re: How CW on FM?
by "Bill Allen" <bill@pcatexas.com>
- 113) [58051] Re: Antennas and Falling weights.
by "Steven Weber" <kd1jv@moose.ncia.net>
- 114) [58052] FT:10 MHz ultra stable osc.
by Ed Loranger <we6w@qsl.net>
- 115) [58053] Re: "new" boat anchor

by K2UD@aol.com
116) [58054] Re: Antennas and Falling weights.
by George Badger <geo@mbari.org>
117) [58055] WTB - WM-2 or LDG tuner
by M Goins <mgoins@usa.net>

Date: Mon, 13 Dec 1999 20:09:09 -0800
From: "Richard Williams" <richard.a.williams@attcanada.net>
To: <qrp-l@lehigh.edu>
Subject: [57939] HEATH PAINT?
Message-ID: <000d01bf45e8\$f9984b60\$82cec28e@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a couple of HW-8's and want to respray the case on one of them. I recall hearing of some place in Michigan that sells spray cans of an exact match for Heath green. Am I imagining this? Thanks for any info. Rick VE9HF.

Date: Mon, 13 Dec 1999 22:38:00 -0000
From: "George Dobbs" <g3rjv@gqrp.demon.co.uk>
To: <jhenry@west.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [57940] Re: NC20 in Pakistan
Message-ID: <000a01bf45c9\$58f8b2e0\$151d989e@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Latest update.

My wife took 2 NorCal-20 kits to Pakistan on a recent visit and by now they should be with the Larkana Amateur and SW Listeners Club.

72/3
George

George Dobbs G3RJV
g3rjv@gqrp.demon.co.uk
The G QRP Club

"It is vain to do with more
what can be done with less"

[www.gqrp.demon.co.uk]

William of Occum. 1290-1350

Date: Mon, 13 Dec 1999 18:20:57 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: mjfitz@uswest.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57941] Re: How CW on FM?
Message-ID: <3.0.2.32.19991213182057.007cacc0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Mike,

I do code practice for our repeater group. I use the side tone audio output from my TS-430 (VOX off) and put the speaker next to the mike. You could do something similar with a keyed audio oscillator. This should be less complicated than trying to inject the audio into the mike lead.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Mon, 13 Dec 1999 18:15:24 -0600
From: "Mike D." <hrg@megsinet.net>
To: richard.a.williams@attcanada.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57942] RE: HEATH PAINT?
Message-ID: <000601bf45c8\$5110e260\$69ccd6d8@urbancom.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Try this link to N0ALO

<http://www2.southwind.net/~n0alo/>

for Heath and other Boatanchor paints and supplies.

73 de Mike, N9BOR
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
I want to party like it's 1969.

Solid State leaves me cold.

> I have a couple of HW-8's and want to respray the case on one of them. I
> recall hearing of some place in Michigan
> that sells spray cans of an exact match for Heath green. Am I imagining
> this? Thanks for any info. Rick VE9HF.
>

Date: Mon, 13 Dec 1999 18:34:04 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp@email.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57943] Re: Learning Code is Easy
Message-ID: <3.0.2.32.19991213183404.007d6820@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks...

About learning code...

>if you want it you'll achieve it - even despite physical/mental handicaps
and all other obstacles...

Not entirely so. There are those with physiological conditions that prevent them from hearing code the way a great many of us do. To these folks who want to learn but can't it is a terribly difficult situation. Some can copy slow speeds but it all runs together when the speeds get faster.

Our VE system allows for this too. A person who demonstrates that code is not a viable alternative at the faster speeds can get a medical waiver. There are those around that have Extra licences who can't copy 20 WPM but can copy 5 WPM.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Mon, 13 Dec 1999 17:48:37 -0700
From: Skip <longbeard@cybernet1.com>
To: qrp-1@Lehigh.edu
Subject: [57944] MPN3401 vs MPN3404
Message-ID: <3.0.6.32.19991213174837.007a0100@mail.cybernet1.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Okay Gang,

Here goes my first query to the group...

My Cubic Astro 103 needs to have several PIN diodes replaced, specifically MPN 3401's.....

Dan's Parts lists 3404's, and have tried to find a reference for same to see if I can use them (a lot cheaper)! I can find the 3401's but not the 3404's.

Any ideas out there?

Thanks,

Skip, K=D8YWD

Stevensville, Montana

QRP-C #146, QRP-L #2003, CQC #616, Zombie #641 =20
=20

Skip, K=D8YWD

Stevensville, Montana

QRP-C #146, QRP-L #2003, CQC #616, Zombie #641 =20
=20
=20

Date: Tue, 14 Dec 1999 11:48:47 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57945] Re: Learning Code is Easy
Message-ID: <385593EF.70F58DF9@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

May as well invest my .02 worth. My skills are Pathetic and that is definitely with a capital "P". Why? Because I have never really invested the necessary time. No one to blame except myself and a myriad of competing interests (but it's a definite maybe for a New Years resolution).

Why is code necessary?

1. We are supposed to be communicators and, in return for the

privilege of using a scarce spectrum we are expected to be a reserve service able to get through in times of dire emergency. If cw can't get through in such circumstances then phone won't even get off the ground (metaphorically).

2. cw is by far the most efficient use of this scarce spectrum, we only have to look at the outstanding achievements of many on this list working bare bones antennas and flea power output (relatively speaking).

3. I'd also like to say it's character building <g>, but then that's going a bit too far, even for me.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S
151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL -
<http://www.qsl.net/vk2tip/>

Date: Mon, 13 Dec 1999 18:11:44 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [57946] texas connectors
Message-ID: <38559950.FA69556F@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

Does anyone have a URL or email for Texas Connectors? I thought I had a catalog once from them but cannot locate it now.

tnx es 72 - john - n0hj

Date: Mon, 13 Dec 1999 20:23:30 EST
From: PDouglas12@aol.com
To: QRP-L@lehigh.edu
Subject: [57947] 2N2 Certificates

Message-ID: <0.9128f5d5.2586f612@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

I received two applications for certificates today, from Gregory Cise N9MDK and Arthur Silvers W6AGS. Greg's application was unique. He enclosed no letter, just one photo. In the photo were his bare 2N2 on the table with connectors/controls hanging off, and with alligator jumpers carrying necessary connections. Surrounding it were his QSL card, plus two QSLs from contacts made with the 2N2. His certificate is on the way.

Art's was an all internet submission with three pictures attached in a .mim file which decompressed beautifully, showing a truly homebrew rig, all hand done work. He too had made his first QSO with the 2N2/40 still on the bench.

OK, I am up to certificate #16, so there are at least that many completed and on the air. A few more, and we can have a 2N2/40 QSO party! Keep 'em coming. I have more certificates.

Remember, you need a photo (returnable) and the call of your first contact for a free certificate to show you built a 2N2/40. Send to me with a SASE, large enough so I won't have to fold your certificate, and that's it.

Preston WJ2v

Date: Mon, 13 Dec 1999 20:26:12 -0500 (EST)
From: QRP <qrp@email.com>
To: qrp-l@Lehigh.EDU
Subject: [57948] Morse Code and Integrity
Message-ID: <381318085.945134772216.JavaMail.root@web09.pub01>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is what I love about QRP-L, all the cool public and private response to subjects of great interest to me. It's kind of like the time I stood before City Council and told them that Denver is already too big and we need to close the borders...

Anyway, earlier in the year I suggested that the EXTRA class code speed should be kept at 20 wpm or even increased a bit. Since they've been giving all the licenses away for the last ten years why not preserve one last bastion of integrity?

Hence THE code...

Roger J. Wendell
WBOJNR
Crowded Colorado
<http://www.rwendell.com>
QRP@Email.com

-

FREE! The World's Best Email Address @email.com
Reserve your name now at <http://www.email.com>

Date: Mon, 13 Dec 1999 17:39:25 -0800
From: Jim/Julia <w7ls@blarg.net>
To: qrp-1@lehigh.edu
Subject: [57949] Osmotic code practice
Message-ID: <38559FCD.8A794608@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A method that has not been mentioned is to just leave the radio on in the background, while you go about your business, tinkering in the shack. Leave it on some cw portion of the band that is usually busy. Signals will come and go, and from time to time, you can tune them in a little better, etc. I found that you start to pick up letters that you recognize, and then words, etc.

The flip side of this is that I developed 'head-copy' and have no problem with mobile cw, but ask me to write this stuff down, and I can't. I just take notes as the qso goes along. Being as this worked well for me and was painless, I have a tough time sympathizing with cw-whiners. Jim W7LS

P.S. Please reply offline and put "flames" in the subject line. My filter is all set up.

Date: Mon, 13 Dec 1999 19:41:54 -0600
From: K10J <k10j@ditdit.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57950] Re: How CW on FM?

Message-ID: <002001bf45d4\$66ca9900\$f6b93ed8@swbell.net>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

Howdy All,

Mike makes a good point about using the sidetone from your CW rig and holding the FM rig's microphone near the speaker. Following a fairly serious surgery last year, I returned home with no voice above a whisper. I used this method to communicate with the local boys on the two meter repeater. It always came through strong and clear. I think it drove some of them nuts but under the circumstances, the use of CW was welcomed. It couldn't be easier to accomplish and you already have everything you need.

OJ---K10J

dit dit

Date: Mon, 13 Dec 1999 18:45:08 -0700

From: Ray Colbert <af852@rgfn.epcc.edu>

To: qrp-l@lehigh.edu

Subject: [57951] RE: Keeping your wire antenna in the trees

Message-ID: <3855A124.33175476@rgfn.epcc.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have always been concerned that the rope holding the bricks or sand bucket will let go just as someone passes underneath. I don't recall reading anywhere that such ever happened, but.....

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2

(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Mon, 13 Dec 1999 20:45:12 EST

From: J38AL@aol.com

To: qrp-l@lehigh.edu

Subject: [57952] Re: NC20 in Pakistan

Message-ID: <0.4f8caf82.2586fb28@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I wonder if one of them was the twin to mine. It sure does feel good to help others when you can!!

Al N2ZHS
Scotia, NY

In a message dated 12/13/99 4:21:20 PM Pacific Standard Time, g3rjv@gqrp.demon.co.uk writes:

<< Latest update.

My wife took 2 NorCal-20 kits to Pakistan on a recent visit and by now they should be with the Larkana Amateur and SW Listeners Club.

72/3
George
>>

Date: Mon, 13 Dec 1999 21:50:11 -0800
From: "Richard Williams" <richard.a.williams@attcanada.net>
To: <qrp-l@lehigh.edu>
Subject: [57953] HEATH PAINT
Message-ID: <001101bf45f7\$16a4c900\$6fcec28e@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the quick responses for a source for Heath paint. VE9HF

Date: Mon, 13 Dec 1999 20:55:10 EST
From: MertNellis@aol.com
To: qrp-l@lehigh.edu
Subject: [57954] Re: External Keyer w/DSW or NC20
Message-ID: <0.16ba1ed4.2586fd7e@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Steve and all,

I have an NC-20 that I key with an external cmos II keyer. Set the NC-20 to function with a straight key per the instructions (the SK function) and then connect the keyer via the paddle jack on the NC-20 (it doesn't matter which side, dit or dah is used). This allows the external keyer to key the NC-20 in its straight key mode. OK?

Mert WOUFO MNQRP#71 QRP ARCI #9720

Date: Mon, 13 Dec 1999 20:06:05 -0600
From: "Lawrence T. Owens" <w4dec@dibbs.net>
To: qrp-l@Lehigh.EDU
Cc: elecrafft@qth.net
Subject: [57955] K2 in the 10 Meter Contest
Message-ID: <3855A60D.6D85@dibbs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gang.

Here is the results of my efforts in the 10 Meter Contest.

10 Meter mixed mode.

Operating time 28 Hr 33 Min.

MODE	QSOs	POINTS	MULTS
CW	385	1540	93
SSB	347	694	76
Total	732	2234	169

Score 377,546

42 states on CW and 37 on SSB

6 canadian Provinces on CW and 8 on SSB and 51 DX countries.

I don't know how many of you QRP-L ers that are in my log but I must have a few. Finally Got Ron KU7Y in the log. Thanks Ron, and sorry that you were under the weather as I'm sure you would have beat my score . You sure did well for the time you spent and feeling like you did.

Saturday night was a great night as the band opened for short skip around 0100Z and stayed open for about 2 hours. I stayed on one frequency and had a run of about 150 Qs, otherwise I could not have

made the score that I did. Just a fluke of nature and K2 Mojo helped me out. The K2 performed great for the whole contest without a problem and I had some very nice unsolicited comments of my signal. I did not use the slash in the contest, although I did ask a couple of friendly DX stations about my real signal report and the results were gratifying. I might add that this is the best that I have ever done in a contest using QRP. Hopefully I have learned a few lessons in this one and can do better next year.

Bob, N4BP heard you several times on back scatter and tried to get you but I guess your line noise was just too high. I am lucky in that respect as I very seldom have a line noise here.

72 and Happy Holidays to All you Ladies and Gentlemen.

Larry (W4DEC)

Date: Mon, 13 Dec 1999 21:12:01 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: QRP-L <qrp-l@lehigh.edu>, NJ QRP Club <njqrp@njqrp.org>
Subject: [57956] Tuna Tin II web site, de N4UY
Message-ID: <3855A771.A67F0152@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My web page now has a picture of my pad-style scratch-built Tuna Tin II, and info on the keying and power mods. The URL is
<http://pweb.netcom.com/~jakecart/TT2.html>

Happy Holidays,

Jake -- N4UY

Date: Mon, 13 Dec 1999 16:43:17 -0600
From: Mark R Milburn <kq0i@juno.com>
To: qrp-l@lehigh.edu
Subject: [57957] Re: 10m contest and Email callsign server and etc
Message-ID: <19991213.200453.-294437.0.KQ0I@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

You can use lookup@qrz.com

In the body of the message just write "lookup (callsign)"
Works great for US calls, I'm thinking this won't help on DX calls.
You can put more than one call per message.
72 Mark KQ0I

On Mon, 13 Dec 1999 16:16:57 -0600 "Brockwell, Stephen E."
<brockwse@fssec.army.mil> writes:
> Howdy Elmers of mine:
>
> 1. Worked about 100 contacts in the 10 meter contest this weekend
> (in
> between making visits as Santa with Mrs Claus along).
>
> 2. have to confess it was phone only..... But I did qso with
> W3ATV who
> was qrp and clear!!!
>
> Does anyone have the email address of a call sign server? I cannot
> use the
> web for a while and have to rely on email. There was one at one
> time that
> worked well... just send the call of the station and it spit back
> the name
> and address. I'd appreciate any answer. Just post it to the list as
> others
> may want it also (if there are no objections..)
>
> Thanks to all for my continuing education.
>
> Steve Brockwell KC5TTY
> 100 Keeney Rd.
> Elgin, OK 73538
>
> p.s. DO NOT solder on a K1EL keyer chip..... solder on the socket
> instead..... you can lose your DAH that way (.... he said ..
> speaking
> from experience!) the problem was the solder-er and not the chip.
> PICs
> should not be within my reach.
>
>

Date: Mon, 13 Dec 1999 20:26:13 -0600
From: "Brian L. Lewis" <bl@csi.com>

To: Cw4n5iw@aol.com, qrp-1@lehigh.edu
Subject: [57958] fun chasing Fox again....
Message-ID: <3855AAC5.725A4237@csi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

You were loud hear at the beginning and then died out the second hour.
You had quite a pile-up going.

I have been out of ham radio the last year or so. Moved to a new house and have been lazy about getting the tower and antennas back up. I am getting there slowly. Just re-subscribed to QRP-L. Wow-- the activity on the fox hunts has sure increased. I was the Fox about two years ago and never had to think about working split. It is great to see all the activity. Really gets me motivated again.

I have to apologize about my exchange for the fox. I read your email and reprogramed my memory keyer according to your specs. When I heard you give my call and I fired off the memory keyer... out came the exchange in the wrong order and lots of unneeded characters. I guess the memory keyer did not remember my latest input.... Glad you got it all...

Looking forward to the next FOX.

Brian Lewis
Shreveport, Louisiana
K5RV #324

Date: Mon, 13 Dec 1999 20:31:07 -0600
From: "Michael Gusky" <mgusky@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57959] Elecraft K2 for sale
Message-ID: <00c201bf45db\$47838820\$59c94dd8@P3450>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have decided to abandon ham radio for a while and sell my K2 w/ssb adpater. Great radio....works perfectly and doesn't have a scratch on it. I rather see someone else enjoy it, rather than let it set on the shelf and collect dust. I have built many kits during the past 38 years and can

honestly say the K2 is the best I have seen. As a matter of fact, it is the only rig I own and use. Perhaps I will get interested again sometime down the road and build another one.

Anyway, here's the deal.....K2 with ssb adapter, completely built and functional (I normally work cw on 40,30,30 and 15, and work ssb on 80,15 and 10). \$500 and you pay the shipping. I also have a brand new Radio Shack 3 amp analog supply (22-504) for \$25.

Mike
K5UX
mgusky@bellsouth.net

Date: Mon, 13 Dec 1999 21:26:32
From: Robert McConnell <rmcconne@lightlink.com>
To: af852@rgfn.epcc.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57960] RE: Keeping your wire antenna in the trees
Message-ID: <3.0.6.16.19991213212632.2717bedc@pop.lightlink.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I can think of a few possible remedies.

1. Make the rope long enough that the weight is just off the ground. Then it doesn't have far to fall and nobody can get under it.
2. Hang a fishnet bag around the weights as a backup. Tie the bag directly to a branch so it will catch and hold the weights if the rope breaks.
3. Plant shrubs, flowers or a hedge around the tree so they would have to be trampled in order to get under the weights. Thorny plants such as roses or blackberries would be best, but most anything decorative or fruit bearing would work.

Bob McConnell
N2SPP

At 06:45 PM 12/13/99 -0700, Ray Colbert wrote:
>I have always been concerned that the rope holding the
>bricks or sand bucket will let go just as someone passes

>underneath. I don't recall reading anywhere that such
>ever happened, but.....

>--

>"The more I see of the representatives of the people,
>the more I admire my dogs."

>letter from Count d'Orsay to John Foster 1850

>-----

>Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2

>(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

>

>

Date: Mon, 13 Dec 1999 21:38:32 -0500

From: "Ron Polityka" <wb3aal@talon.net>

To: ". QRP-L" <qrp-l@Lehigh.EDU>

Subject: [57961] Christmas Present for Yourself!

Message-ID: <00d601bf45dc\$514d3800\$13e508cf@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello All,

There is still time to order the QRP Contest Calendar 2000.
This would be a great addition to your shack. We plan to ship
on this Thursday & Friday.

Check out this site for more details:
http://www.kpsnet.com/wb3aal/Start_Page.htm

Happy Holidays

72 & 73

Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173

NorCal
ARS # 380
VA QRP Society

Zombie #625
HI-QRP #153

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>
100 + Work Units Completed

Date: Mon, 13 Dec 1999 21:35:42 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Tom Palmer <n1tp@worldnet.att.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [57962] [RE] FOX
Message-ID: <199912132138_MC2-90DF-97CB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Tom:

Well I luckily bagged him at 0112. Setup was a Benson SW+ 40 at 1 watt out to the huge 540' horizontal loop at 33'.

Man oh man, was Dave ever *loud* here. I gave him a 579 and this was conservative. By 0200 he was 589 and slowly getting stronger. Heard lots of FOXes throughout, especially after he would call CQ FOX :-).

Congrats on your pelt and GL for more.

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Mon, 13 Dec 1999 21:48:55 EST
From: Shepherd@aol.com
To: qrp-l@lehigh.edu
Subject: [57963] FOX: LOUD, LOUD, LOUD

Message-ID: <0.da2d3b73.25870a17@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Man, what a loud fox.
I gave Dave a 599, and that's no typo. Sounding very good tonight.

Thanks for another pelt, and your doing a great job.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667
<http://members.aol.com/shephed/n8ie.htm>

Date: Mon, 13 Dec 1999 18:49:39 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57964] Re: Learning Code is Necessary
Message-ID: <199912140252.VAA275996@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Ian C. Purdie VK2TIP <ianpurdie@integritynet.com.au> wrote:

> 1. We are supposed to be communicators and, in return for the
> privilege of using a scarce spectrum we are expected to be a reserve
> service able to get through in times of dire emergency. If cw can't get
> through in such circumstances then phone won't even get off the ground
> (metaphorically).

I never gave this much thought until the other day when I was looking at the Washington state law about ham radio license plates for your car. I found the following statute, which makes it clear that the state of Washington, at least, views us as a valuable reserve service.

46.16.340. Amateur radio operator plates -- Information furnished to various agencies

The director, from time to time, shall furnish the state military department, the department of community, trade, and economic development, the Washington state patrol, and all county sheriffs a list of the names, addresses, and license plate or radio station call letters of each person possessing the special amateur radio station license plates so that the facilities of such radio stations may be utilized to the fullest extent in

the work of these governmental agencies.

Frank, AB7YT

Frank and Karen Grigaliunas, 1816 W. Dean, Spokane, WA 99201
fgrig@iea.com ==*- (509) 326-7147 ==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people."

Date: Mon, 13 Dec 1999 21:59:16 -0500
From: semann@tcia.net (Steven Mann)
To: w5usj@globeco.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57965] Re: Learning Code is Easy
Message-ID: <3855B284.86F0C0BA@tcia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One of the most interesting CW QSOs I have had was with a deaf ham who copied code by placing his fingers on a speaker which had the paper cone removed. He was able to turn the volume way up to get good movement on the center but since the paper cone was removed he didn't disturb the other people in the house. This worked fine at about 15 wpm. I would expect it to be harder to read the vibrations at higher speed.

Steve, N4EY

Chuck Carpenter wrote:

>
> Folks...
>
> About learning code...
>
> >if you want it you'll achieve it - even despite physical/mental handicaps
> and all other obstacles...
>
> Not entirely so. There are those with physiological conditions that
> prevent them from hearing code the way a great many of us do. To these
> folks who want to learn but can't it is a terribly difficult situation.
> Some can copy slow speeds but it all runs together when the speeds get faster.
>
> Our VE system allows for this too. A person who demonstrates that code is
> not a viable alternative at the faster speeds can get a medical waiver.
> There are those around that have Extra licences who can't copy 20 WPM but

> can copy 5 WPM.
>
> Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Mon, 13 Dec 1999 21:59:33 -0500
From: semann@tcia.net (Steven Mann)
To: w5usj@globeco.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57966] Re: Learning Code is Easy
Message-ID: <3855B295.158ED2C2@tcia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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> can copy 5 WPM.
>
> Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Mon, 13 Dec 1999 21:54:26 -0500 (EST)
From: Philip L Carter <pcarter@gcfn.org>
To: QRP-L MAILING LIST <qrp-l@lehigh.edu>
Subject: [57967] HP voltage sensing LED
Message-ID: <Pine.3.07.9912132126.A13114-91000000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang:
I found the data on the LED:

HP 5082-4732
Described in HP Optoelectronics Designer's Catalog 1981 on page 195.

I even found my spare. As I recall I got mine from either Allied, Newark, or Hall-Mark Electronics, but it has been a long time.

NRE/COLE Test Center OH-3
pcarter@gcfn.org or wd8qwr@arrl.net
Philip L. Carter, WD8QWR
wd8qwr@w8cqk.#cmh.oh.usa.na

Date: Mon, 13 Dec 1999 22:09:01 -0500
From: "Geoff Foster" <gfoster@provide.net>
To: <mjfitz@uswest.net>, "qrp_l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [57968] Re: How CW on FM?
Message-ID: <00cf01bf45e0\$98973360\$6b65fea9@g-foster>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike,

There are two different circuits in recent QST's that should fit your needs. January '98 has a twin-T circuit that also has an automatic T/R & capability to switch between MCW & voice. Summer '97 (I think July) has a 555 circuit that has a manual T/R. Simpler than the first but probably not as nice of a tone. I have made the 555 circuit and it works. I have been unable to get the twin-T to work but that is probably operator/builder error.

Geoff

KC8HZZ

Mike wrote:

>Ops,
> Local club here has several people that want to get on
>CW. They asked me to come up with a circuit to inject a CW
>tone into an FM rig. I figure a twin-T oscillator with a
>trimmer on the audio line might do it, but know there are
>some proven, published designs for doing this... Anybody
>got one?
> Many thanks friends,
> Mike NOMF
>
>
>
>
>

Date: Mon, 13 Dec 1999 22:01:12 -0500 (EST)
From: bob evinger <revinger@comwares.net>
To: qrp-l@lehigh.edu, wvara list <wvara@butler.indiana.net>, gary stout
<pwrbbasc@aol.com>
Subject: [57969] "new" boat anchor
Message-ID: <Pine.LNX.4.10.9912132155250.1736-100000@wd9eka_srv.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Okay, so its not new, and it isnt heavy enough to be a boat anchor
and shoot, it even seems to work for the most part. I had a radio
handed to me tonight, not sure if it is a loan or a keeper. He's a
friend and I'll just hang on to it until he asks for it back I guess.

It's a Hammarlund S-38B receiver. It hadnt been turned on in he
said 5 to 7 years, but I did the not recommended thing and plugged it
in. With the 5 foot of wire that he had attached to it I was picking up
quite a few sw broadcasts.

The question for those that collect glow in the dark radios. There is
one knob that is unlabeled and sounds like it might be some sort of
filter. It is just right of the speaker/phones switch. Anybody know
what it is officially and anyone know where I might find a copy of
a manual for it. Just in case I end up having to examine the innerds.

Now to find a place to sit it in my compact shack.

bob

Bob Evinger WD9EKA Marshall, Illinois
If Guns Cause Crime, Then Matches Cause Arson.

Date: Mon, 13 Dec 1999 22:32:41 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <mjfitz@uswest.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [57970] RE: How CW on FM?
Message-ID: <000001bf45e3\$e1674f00\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike:

I designed such a circuit for my old IC2AT handy, and presented it to the Southern Maine ARC last year. It's very simple. It uses a 555 oscillator and a transformer isolation circuit to accomplish tone injection and keying.

Shortly thereafter a similar design appeared in QST. If you, or any other member of the list, would like a copy of the circuit I used, I can supply an OrCAD file, or convert it to a JPEG, or fax you a copy, or send it via snail mail for an SASE.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
mjfitz@uswest.net
Sent: Monday, December 13, 1999 6:28 PM
To: Low Power Amateur Radio Discussion
Subject: How CW on FM?

Ops,

Local club here has several people that want to get on CW. They asked me to come up with a circuit to inject a CW tone into an FM rig. I figure a twin-T oscillator with a trimmer on the audio line might do it, but know there are some proven, published designs for doing this... Anybody got one?

Many thanks friends,
Mike NOMF

Date: Mon, 13 Dec 1999 22:37:01 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <PDouglas12@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [57971] RE: 2N2 Certificates
Message-ID: <000101bf45e4\$7c5a0e80\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A 2N2/40 QSO party! Yesss. Excellent idea. Count me in Preston.

Happy Holidaze too.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687, 2N2/40 #9 .-.-.

Date: Mon, 13 Dec 1999 22:46:45 EST
From: NB6M@aol.com
To: qrp-l@lehigh.edu
Subject: [57972] Re: Learning Code is Easy
Message-ID: <0.297f0080.258717a5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

As one ham who really enjoys CW, I really lament the day the FCC removed the requirement to send code from the amateur radio license examination process. I say this because I firmly believe that if you try to learn CW by only listening to it you are denying yourself probably the best learning device available to you.

I know that, for me, sending code was the best teacher for receiving code. Your receiving speed will always fall behind your sending speed, but as you increase your sending speed (hopefully with clean, easy to understand, CW) your receiving speed will come along as well.

I learned on a straight key. When I wanted to go faster than I could send cleanly on a straight key I moved on to a keyer and a set of paddles. When I got to where I could copy faster than I could send cleanly on a set of paddles, I started using a computer program and interface as a CW keyboard. Then, I could get up to really fast CW speeds with my sending, and my reception speed followed along as well. Today, even though I am out of practice on really high speed copy, I can comfortably copy over 40 WPM in my head, and really enjoy it.

Another thing that helped my code reception speed was operating lots of CW mobile. The only way to copy really fast is to copy in your head. While I can type faster than I can copy, if I try to type while I am listening to CW, I lose my train of thought. So, I find it best just to copy in my head, just like one does with normal conversation. Not everyone can operate CW mobile, but we all can practice copying in our heads.

And, what I find is that with improved CW receiving and sending speed, your QSOs have the potential to be very much more interesting. No longer does it take your whole QSO just to send your name, QTH and an RST to someone. Really meaningful and interesting conversation can take place. At that point, CW really starts to be fun. You can always slow down to match the sending speed of anyone else you are in QSO with, and be pleasantly surprised at how easy it is to sit back and enjoy true "armchair" copy, all in your head.

There will always be differences in opinion about CW and the requirement for it in amateur radio licensing examinations. However, I believe that most of the dissention comes from those who have had negative experiences learning the code.

So, if you are one of those who is trying to increase your CW speed in order to pass a particular test, I highly recommend practicing sending CW as the best method for increasing your receiving speed. I really believe that you will find that the action of forming the characters, combined with the mental process of thinking them through and the audio feedback of hearing what you have sent is the best way to learn.

Try writing down a sentence, turning on your tape recorder and sending the sentence, then listening to what you have sent. I think you will be amazed at how quickly you will pick it up, and not only be able to pass whatever test you want to pass but also turn something you thought was drudgery into real fun. Next, you will want to build your own simple CW rigs and operate something you have built from scratch all by yourself, just like the rest of us crazies on QRP.

Try it, you might even like it.

72,

Wayne NB6M

Date: Mon, 13 Dec 1999 19:59:18 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <revinger@comwares.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57973] Re: "new" boat anchor
Message-ID: <002f01bf45e7\$997f9360\$06424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> It's a Hammarlund S-38B receiver.

I'll bet you a dinner that it's a "Hallicrafters" if it's an S-38B.
My first receiver was an S-38A in 1949.

> The question for those that collect glow in the dark radios. There is
> one knob that is unlabeled and sounds like it might be some sort of
> filter. It is just right of the speaker/phones switch.

It must be a modification. The stock S-38B has four knobs: Tuning,
Bandspread, Band Selector and Volume. The S-38A also had a "C.W. Pitch"
knob to tune the BFO.

I guess you'll have to take the bottom off to find out what it is.

72,

John, K6QQ

Alturas, CA, at the corner of 299 & 395.

Date: Mon, 13 Dec 1999 23:04:41 -0500 (EST)
From: bob evinger <revinger@comwares.net>
To: John Moriarity <k6qq@hdo.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57974] Re: "new" boat anchor

Message-ID: <Pine.LNX.4.10.9912132304200.2105-1000000@wd9eka_srv.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

oops, typo on my part. It is a Hallicrafters. Not sure where my
brain was in the excitement.

bob

Bob Evinger WD9EKA Marshall, Illinois
If Guns Cause Crime, Then Matches Cause Arson.

On Mon, 13 Dec 1999, John Moriarity wrote:

> > It's a Hammarlund S-38B receiver.
>
> I'll bet you a dinner that it's a "Hallicrafters" if it's an S-38B.
> My first receiver was an S-38A in 1949.
>
> > The question for those that collect glow in the dark radios. There is
> > one knob that is unlabeled and sounds like it might be some sort of
> > filter. It is just right of the speaker/phones switch.
>
> It must be a modification. The stock S-38B has four knobs: Tuning,
> Bandspread, Band Selector and Volume. The S-38A also had a "C.W. Pitch"
> knob to tune the BFO.
>
> I guess you'll have to take the bottom off to find out what it is.
>
> 72,
>
> John, K6QQ
>
> Alturas, CA, at the corner of 299 & 395.
>
>
>
>

Date: Mon, 13 Dec 1999 21:32:49 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: revinger@comwares.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57975] Re: "new" boat anchor

Message-ID: <38556601.E198F3DD@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Kelsey and others put me on to this site:

<http://www.w7fg.com>

He lists a manual for the S38B for \$15.00. Check the site out.

--

73, de Roger, N7KT
qrp-1 #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Mon, 13 Dec 1999 20:33:38 -0800
From: "jmb" <jmb@cruzio.com>
To: "Phinizy, William" <wphinizy@filenet.com>
Cc: "QRP-1" <qrp-1@lehigh.edu>
Subject: [57976] Re: Solder Station
Message-ID: <053b01bf45ec\$65297f40\$7f8ae3a5@workstation>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill,

I've narrowed the problem down to the handle assembly (heater, switch, etc). The transformer in the base is fine. A new handle assembly costs \$78 (hardly worth it). I'm beginning to think the problem is as simple as some wires in the handle came loose, but I don't know what the connections should look like now that I have the handle apart. Black wire in handle goes to white on heater....but there's another white wire and also a green coming in from the base connection that are unknowns...at least to me

Do you by any chance have a record of the help you got on the QRP-1 list, e.g. dates, actual posts, suggestions? Any kind of diagram showing how the handle wires up to the heater would be very helpful. Otherwise, at this point, I'm just going to go for a new station given the cost of a handle. Somehow, I don't think the heater is the culprit -- my guess is that a connection came undone and that's where the problem is -- I need a drawing or a schematic or something....

Any help's much appreciated
Jim

73 de K6JMB

Jim Boyle

Santa Cruz, California

FISTS #6537 QRP-1 #1845 K2 #141

----- Original Message -----

From: Phinizy, William <wphinizy@filenet.com>

To: <jmb@cruzio.com>; 'QRP-1 List Server' <qrp-1@Lehigh.edu>

Sent: Monday, December 13, 1999 1:30 PM

Subject: Re: Solder Station

> Jim,

>

> ..did you do an autopsy and find out the cause of death; I had one
go south

> about two months ago and, with some stupendous help from this group
(QRP-1),

> I was able to revive it for 20% of the price of a new (inferior)
one.

>

> Bill, K6WHP

>

Date: Mon, 13 Dec 1999 23:39:47 EST

From: KB0R@aol.com

To: qrp-1@lehigh.edu

Subject: [57977] Re: FYB0 2000

Message-ID: <0.77e1c233.25872413@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

And the Minnesota QRP Society is getting ready for FYB0. No snow or other
signs of winter here yet.

72,

Larry

Date: Tue, 14 Dec 1999 15:43:39 +1100

From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [57978] Re: NC20 in Pakistan

Message-ID: <3855CAFB.1E0D1AEF@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

J38AL@aol.com wrote:

> I wonder if one of them was the twin to mine. It sure does feel good to
> help others when you can!!

You bet, especially in this "greed is good" world

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>

Date: Mon, 13 Dec 1999 21:52:53 -0800
From: Roger J Wendell <zeekzilch@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [57979] SET QRP-L MAIL POSTPONE
Message-ID: <19991213.215256.-298745.15.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

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Date: Tue, 14 Dec 1999 15:55:46 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57980] Re: "new" boat anchor
Message-ID: <3855CDD2.6EFF2FAC@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

John Moriarity wrote:

> > It's a Hammarlund S-38B receiver.

>

> I'll bet you a dinner that it's a "Hallicrafters" if it's an S-38B.

YT just happens to have sitting in the carport at this very moment one "Hallicrafters" S-38 (beautiful case - just weighs I dunno about a boat anchor) and stamped on the chassis is "April 1945"

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E

VK2TIP "I'll give you the TIP mate" QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/> URL -

<http://www.qsl.net/vk2tip/>

Date: Mon, 13 Dec 1999 23:02:20 -0600
From: "George T. Baker" <w5yr@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [57981] The Fox of Foxes
Message-ID: <3855CF5C.4109004F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I want to give Dave credit for this evening's performance:

Not only did Dave operate splendidly as our Fox, but he laid the strongest Fox signal into this area that I have ever heard. While I gave the canned "559" response, his signal was seldom below S9 and frequently ranged as high as 10 db over!

I found that my low 40-meter horizontal loop evidently has substantial NVIS capabilities over the approximate 250 mile path between the Dallas area and Round Rock to the south. Dave's signal was up to 3 S units higher on it than on a 40-meter EDZ broadside to the south or a ground-mounted 40-meter 1/4-wave vertical over 60 radials.

Well done, Dave!

--

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

Date: Mon, 13 Dec 1999 23:13:17 -0600

From: Mike <mmorrow@companet.net>

To: NB6M@aol.com

Cc: qrp-1@lehigh.edu

Subject: [57982] Re: Learning Code is Easy

Message-ID: <3855D1ED.2753@companet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

NB6M@aol.com wrote:

> I really lament the day the FCC removed the
> requirement to send code from the amateur radio license examination process.

Wayne and all,

I lament the failure of ham club CW classes to teach sending skills. The attempts of such an untrained ham to make his first CW contacts can be VERY painful and EXTREMELY discouraging. No wonder so many drop the CW mode very early in their ham career.

FWIW, anyone wanting to take a proper code test can still take the commercial Radiotelgraph Second Class license exam. It requires sending and receiving PLAIN LANGUAGE at 20 wpm for at least one minute perfect copy out of a five minute test, using a straight key if you don't provide a bug. It also requires sending and receiving (this is the hard part) RANDOM letters/number/punctuation at 16 wpm arranged as five character code groups for one minute perfect copy out of a five minute test. One has to be good at writing down the received code. The ability to "head copy" at high speed is of little use for these tests. The radio services for which the license was intended are just about extinct, so no doubt soon the license will be also.

> Your receiving speed will always fall behind your sending speed, but as you
> increase your sending speed (hopefully with clean, easy to understand, CW)
> your receiving speed will come along as well.

Beware! If you can't copy the speed you're trying to send, how do you

know if you're sending decent code or not? You'll always judge your sending to be better than it actually is. Past a modest entry level code proficiency, it almost always becomes more difficult to SEND decent code than to receive it. It's OK to practice sending beyond your read capability, but don't do it in a QSO.

> Another thing that helped my code reception speed was operating lots of CW
> mobile.

I found it interesting to copy merchant marine traffic on 4, 6, 8, 12, 16, and 22 mcs. Alas, all activity in this area is now nearly vanished (but only within the last couple of years)!

> The only way to copy really fast is to copy in your head.

If one claims that CW has value under emergency conditions, the ability to write down the traffic may be an important skill. This skill is usually neglected by high speed ham operators.

Best regards/73

Mike / KK5F

Date: Mon, 13 Dec 1999 23:21:29 -0600
From: "Don Wines" <dwines@tyler.net>
To: "QRP-L LIST" <qrp-l@lehigh.edu>
Subject: [57983] Re: 10m CONTEST
Message-ID: <010f01bf45f3\$2aee6820\$bd9286d0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Gang...

Thanks for all the great responses to the ZF2 question! You guys/gals really read this stuff don't you!!

And also thanks for the good reports on the K2. Speaking of which, K2 #789 arrived in the mail today.....and the adventure begins.....!

I wasn't able to chase the Ole Furry One tonite, had to go to a meeting at church (I guess I need to get my priorities in order, huh) and judging from the reports here I missed a gud 'un!! Oh, well! Maybe Wed. nite.

Mike, (WB5YJX) I'm located about 15 miles N of Tyler in NE TX. My original call was WB50CJ so we've been in the hobby about the same amount of time.

Sounds like our interest faded and rekindled on the same sked too! Nice to meet you!

Don
K5DW, k5dw@arrl.net
QRP-L #2083

Date: Mon, 13 Dec 1999 21:40:50 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [57984] FOX:
Message-ID: <Pine.GS0.4.10.9912132137270.12480-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave and all,

You were very weak here in NV during the first few minutes of the hunt. I called a few times and then went inside to eat and relax.

Towards the end of the hunt I went back out to the shack and you were still in the same place with NO QRM!

But still weak.

However, you did manage to hear my littlt sig and I thank you for the pelt.

But I also had my memory keyer set wrong....I exchanged the Name and State! Sorry about that.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Tue, 14 Dec 1999 16:41:44 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57985] A serious seasonal thought- worthy of reading
Message-ID: <3855D898.74D82A6B@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The author of this Christmas poem has asked that it be sent to as many people as you possibly can.

Christmas will be coming soon and some credit is due to our service men and women for our being able to celebrate these festivities. Let's try in this small way to pay a tiny bit of what we owe. Make people stop and think of our heroes, living and dead, who sacrificed themselves for us.

Please, do your small part to plant this seed and pass the poem along.

T'was the night before xmas, he lived all alone,
in a one bedroom house made of
plaster and stone

I had come down the chimney
with presents to give
and to see just who
in this home did live

I looked all about
a strange sight I did see
no tinsel, no presents
not even a tree

no stocking by mantel
just boots filled with sand,
on the wall hung pictures
of far distant lands

with medals and badges
awards of all kinds,
a sobering thought
came into my mind

for this house was different,
so dark and so dreary
twas the home of a soldier,
once I could see clearly

the soldier lay sleeping
silent, alone,
curled up on the floor
in this one bedroom home

his face was so gentle,
the room in disorder,
not how I had pictured
a United Nations soldier

was this man the hero of whom I'd just read?
curled up on a poncho, the floor for a bed?
I realized the families that I saw this night,
owed their lives to such soldiers,
those willing to fight

soon round the world,
the children would play,
and grown-ups would celebrate
a bright Christmas Day

they all enjoyed freedom
each month of the year,
because of such soldiers,
like one lying here

I couldn't help wonder
how many lay alone
on a cold christmas eve
in a land far from home

that very sad thought
brought a tear to my eye,
I dropped to my knees
and I started to cry,

the soldier awakened
I heard a rough voice,
say "Santa don't cry,
this life is my choice
I fight for freedom
I don't ask for more,
my life and my God,
my country, my corps"

the soldier rolled over
and drifted to sleep
I couldn't control it,

I continued to weep

I kept watch for hours
so silent and still
and we both shivered coldly
in the winter night's chill

I didn't want to leave
on that cold, dark night,
this guardian of honour
so willing to fight

then the soldier rolled over,
with a voice soft and pure,
whispered, "carry on Santa,
Christmas Day's 'all secure'"

one look at my watch and, I knew he was right.
"Merry Christmas my friend, and to all a good night.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S
151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL -
<http://www.qsl.net/vk2tip/>

Date: Mon, 13 Dec 1999 20:47:46 -0500
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etcusa.cu>
To: "qrp-L" <qrp-l@LeHigh.edu>
Subject: [57986] RE: More on the tube QRP rigs
Message-ID: <013e01bf45ed\$d8c1abc0\$0601a8c0@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Many ideas have flowed down this way about vacuum tubes
low power rigs...
Here is an attractive NUMBER ONE:
Use a 12AT7 in same configuration as my rig of an earlier posting here at

QRP-L...

Then add a pair of 50L6's as the RF amplifier.

This rig will require no filament transformer, as the three tubes are connected in series and, to the 115 volts AC line.

50L6's can be wired either as push pull or pararell RF output to produce a nice 5 watts !!!!.

IDEA NO 2 :

POWER SUPPLY: Use silicon diode half wave rectifier together with high capacity electrolytics for smooth DC output... If one can find an iron core choke of 10 Hy or more... much better, if not, an old audio output transformer primary will work here ! Last resort.. use a wirewound resistor in an RC filter... As SPACE IS NOT AT A PREMIUM and this is NOT AN ALTOIDS CAN RIG (maybe it is an OIL CAN RIG) you can use a filter choke from the power supply of an old TV set that may still be gathering dust somewhere !!!

IDEA NO 3 :

Self excited VFO rig... using HARTLEY oscillator with the grid circuit connection to a tap on the coil...(not at the top, but a few turns down to aid stability) and of course, using the least possible feedback tap for the cathode too... This provides a surprisingly stable very low parts count VFO, which uses an air trimmer to couple the grid to the tuned circuit...(set also for minimum value that will still give a fast start and stable oscillations) 12AT7 seems to perform nicely

on this circuit, and will probably see use in a QRP tube rig configuration 1/2 12AT7 VFO, 1/2 12AT7 as cathode follower, 50L6 driver , 50L6 final amp... AND... you can use a 115 v ZENER to feed the VFO or find an old VR105 or similar gas regulator tube...

NOW, take a look...

AH NO TOROIDS !...

AH NO RARE IC's OR HARD TO FIND TRANSISTORS

AH NO PROBLEM WITH HIGH SWR !NOTHING WILL BE DAMAGED AT SHORT CIRCUITED ANTENNA CONDITION OR AT OPEN CIRCUIT ANTENNA CONNECTOR !!!!

PARTS SOURCES: Old TV sets... for most of them, and switched mode computer power supplies for the high capacity electrolytics (WHICH SHOULD BE MUST FRESHER THAN THE ONES ON THE OLD TV'S ...

WARNING TO YOUNG GENERATION

IF NOT EXPERIENCED WITH " HIGH VOLTAGE" take very good care when working with these rigs, and discharge the filter capacitors via a 1 k resistor to ground every time you want to work on the circuit...

ONE MORE "FUN" RIG used no tube sockets... as the 6AG7's are plentiful locally, I just soldered the wires to the 6AG7 pins directly... Works great... using PC board with no copper, holes are drilled for the tube pins, and then connections are soldered directly... BTW have used that "technology" for several QRO amplifiers very succesfully too !!!MY APOLOGIES FOR EVEN MENTIONING QRO HERE... BUT WE NEED THOSE AMPS DURING THE HURRICANE SEASON !!!

73 and keep those soldering irons- thermostatically controlled or standard types HOT !!!

Arnie
C02KK

e-mail:arnie@radiohc.org
e-mail:inforhc@mail.infocom.etecsa.cu
Postal address:
Prof. Arnaldo Coro Antich
La Torre no.127 entre 35 y 37
Nuevo Vedado, Plaza
Ciudad Habana , 10600
CUBA

Date: Tue, 14 Dec 1999 01:39:26 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: K2UD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57987] Re: CONTEST: ARRL 10 m contest
Message-ID: <Pine.3.89.9912140133.G13327-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Dec 1999 K2UD@aol.com wrote:

>
> You missed Bob, N4BP? He was probably the loudest signal here in NY!
> Shouldn't have been too tawdry in Texas either.
>
> I'm sure he was only running 5W.

>
Nope, was running 1500W. I'm a "part-time QRPer".

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 14 Dec 1999 01:49:58 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:Cw4n5iw@aol.com" <Cw4n5iw@aol.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [57988] Thanks for FOX Pelt tonight :-)
Message-ID: <199912140152_MC2-90D9-FF0E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Dave:

Many thanks for doing a *fabulous* job this evening as Da FOX. You had a terrific signal during our QSO at 0112, about 579, and you continued to build to 589+ at 0200. Never have heard more hounds in there, so many thanks for digging me out of the pile :-). There was also a lot of QRM, as always, but you cut right through it.

Setup here was Benson SW+ 40 at 1 watt out to the 540' horizontal loop up 33'. Had planned on using the K2 at 5 watts, but you were so loud I booted up the SW+ 40 instead. Glad the little guy made it through tonight.

Thanks again for being our FOX, and happy holidays to you and yours. Will be interesting to see your log.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506

K0EVZ@arrl.net

Date: Tue, 14 Dec 1999 02:04:32 EST
From: Macstein@aol.com
To: KB0R@aol.com, qrp-1@lehigh.edu
Subject: [57989] Re: FYBO 2000
Message-ID: <0.74ffb92c.25874600@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 12/13/99 11:41:17 PM EST, KB0R@aol.com writes:

> And the Minnesota QRP Society is getting ready for FYBO. No snow or other
> signs of winter here yet.
>
> 72,
> Larry

Gosh Larry -- ALMOST the same deal here!? However, we DO have the sure signs of winter here: increased traffic, and you can't get a seat in IHOP or Denny's for breakfast. (grin) FYBO for me usually means "fry" not "freeze". Hope to catch you in the test.

72
-MAC-
AF4PS
Tampa, FL

Date: Tue, 14 Dec 1999 02:27:52 -0500
From: jmarran@juno.com
To: QRP-L@LEHIGH.EDU
Subject: [57990] The Holiday Sprint and the Xmas Milliwatt Test...
Message-ID: <19991214.022838.-34945.0.JMarran@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello all and greetings to all of the participants of the 1999 Holiday Spirits Sprint. I had a blast operating with my twin TTL xmtr here, and my 13 month old son Aron had fun being confused and astounded by Daddy with the headphones on hitting the Viking key! Anyway, just wanting to be nosey here...anyone else entering the Milliwatt event? I really look forward to this one, as I used about 220 mW for the Holiday Sprint, and

had great fun. Hopefully, there will be more of the hardy QRPP souls out there for me to try, and vice-versa. I was pleased with the RST's at 220 mW, and can't wait to go lower...probably into the 50-75 mW range. This is GREAT FUN for me, as I used to QRP with 1 watt...and grew complacent.

Now this is living (to borrow a phrase)!

Sorry for babbling...I'm just having fun again!!!!

72/73 fer nw....

John Marranca, Jr

KB2HSH

Buffalo, NY

Support Amsat Phase 3D.....the future of Amateur Radio.

Date: Tue, 14 Dec 1999 07:22:58 -0500

From: Mike Czuhajewski <wa8mcq@erols.com>

To: QRP forum <qrp-l@lehigh.edu>

Cc: Rich Arland <k7sz@epix.net>, ehare@arrl.org, dsumner@arrl.org

Subject: [57991] QST QRP column a reality

Message-ID: <385636A2.3253@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hot dang--my January QST arrived yesterday, and there it is, a QRP column! No vaporware here! We've made the "big time" now :-) Congrats to Rich Arland, K7SZ (nee K7YHA) for being chosen to write it, and thanks to the ARRL management for deciding to do it. It should prove to be popular.

QRP has really grown in the last several years, with lots of new groups, new publications (both paper and online), an explosion in online coverage via QRP-L, gatherings and forums around the country, new QRP kits every time you turn around--truly a golden era for QRP, which is more popular than ever.

Those of us who are plugged into the mainstream of QRP may not find that much new in the column, since we're pretty much on top of things already. But there are a lot of QRPers who are not in the mainstream, a lot of closet QRPers, a lot of people with an interest but who don't know where to turn to get going with QRP, etc, and it will be of tremendous benefit to them. And it will probably introduce a lot of them to the mainstream :-)

My thanks to all the QRPers at ARRL for their support in the management decision to add the column. (And there ARE quite a few QRPers at the League HQ.)

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Tue, 14 Dec 1999 07:32:31 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [57992] The Morse Code
Message-ID: <19991214.073240.-235137.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

An anagram,
as you know,
is a word or phrase
made by rearranging the letters of
another word or phrase.

For example,

>> A Decimal Point << . . . >> I'm a Dot in Place <<

>> Astronomer << . . . >> Moon Starer <<

>> Mother-in-law << . . . >> Woman Hitler <<

This is really spooky,

> > > The Morse Code < < < . . . > > > _ _ _ _ _ < <
<

John
N3AAZ
FM19xa

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 14 Dec 1999 13:30:54 +0100

From: "Robert M. Ganter" <hb9dnn@gmx.net>
To: qrp-1@Lehigh.EDU
Subject: [57993] Re: Learning Code is Necessary
Message-ID: <199912141230.NAA02072@scts98.ens.ascom.ch>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Mon, 13 Dec 1999 18:49:39 -0800, you wrote:

> Ian C. Purdie VK2TIP <ianpurdie@integritynet.com.au> wrote:
>=20
> > 1. We are supposed to be communicators and, in return for the
> > privilege of using a scarce spectrum we are expected to be a reserve
> > service able to get through in times of dire emergency. If cw can't =
get
> > through in such circumstances then phone won't even get off the =
ground
> > (metaphorically).

And if CW can't get through You may still be happy with PSK31 or
Pactor II. The argument of CW as the most effiecient (in terms of
frequency use and S/N requirements does not count anymore. CW needs at
least a SNR of 3dB, but Pactor II still works with a SNR of -17dB
(minus seventeen Decibels)! Don't know exactly what PSK31 needs.
What makes CW a very important mode is the simplicity of the equipment
needed. You can build a CW transceiver for a few dollars or even less
if You can get used parts. This opens the world of Amateur-Radio also
to people living in delevopment countries. If we don't want to exclude
80% of the world from Amateur-Radio we should keep CW as a mode used
in Amateur-Radio (which does not necesserally mean we have to keep the
tests to get access to shortwave).

>=20
> I never gave this much thought until the other day when I was looking =
at
> the Washington state law about ham radio license plates for your car. =
I
> found the following statute, which makes it clear that the state of
> Washington, at least, views us as a valuable reserve service.

This is certainly true for the USA. If You look at the value
Amateur-Radio has even (particularly?) in rich European countries like
Germany or Switzerland You will notice a strong opposition against
everything producing EM radiation. Nobody cares about the over 50000
casualties of car accidents, but in the last years an incredible hype
about "electro-smog" and its danger has started. As a commercial
example: everybody uses a cellular phone, but nobody wants to have an
antenna near his backyard.

To get a permission for an antenna can be a fight going on for years (and sometimes including a costly lawsuit against government). In most countries Amateur-Radio is not a service but a tolerated nuisance. One reason may be that in most European countries no natural disasters like hurricanes or earthquakes occurred in the last decades, people simply see no need for a backup emergency communication network amateur radio could offer. For them, radioamateurs are not part of a public service but simply hobbyists disturbing (???) their narrowminded sight of the world.

One exception is e.g. Turkey where radio amateurs played a very honorable role keeping communication going on when the disastrous earthquakes destroyed a whole region.

To come to an end: we need young people joining the amateur radio community and we need better reputation in society. This can only be done, if CW is *one* of *many* modes practised in Amateur Radio. Otherwise Amateur Radio will get into trouble in the future. If we can't convince people that we can (and will) provide a public service, they won't support it in any way.=20

73/72

Robert

---=20

Robert M. Ganter HB9DNN

Date: Tue, 14 Dec 1999 06:45:34 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'qrp@email.com'" <qrp@email.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57994] RE: Learning Code is Easy
Message-ID: <2D343922E283D211945C0008C7A41B2A013101EA@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

My opinion too, Roger! If you really, really, really WANT it, you can achieve it!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: QRP [mailto:qrp@email.com]
Sent: Monday, December 13, 1999 4:12 PM
To: Low Power Amateur Radio Discussion

Subject: Learning Code is Easy

I'm not in agreement with KI8JA on the learning of Morse Code.

The thousands, probably millions, of people who learned Morse Code are proof that it is EXTREMELY easy, even at the 20 word per minute level. It's like anything else in life, if you want it you'll achieve it - even despite physical/mental handicaps and all other obstacles...

Roger J. Wendell
WB0JNR
<http://www.rwendell.com>

Date: Tue, 14 Dec 1999 06:48:43 -0500
From: "Christopher Cox" <cobox@urec.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [57995] Morse Code and Integrity - 1800's been there, done that!
Message-ID: <19991214123515062.AAA258@charlie.logan.net@cbx-nt>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Why not up the Tech side?

Code can be sent on a pair of wires. Heh, is that not the place it all started!?!?!?

What do you have hanging on the wall, phone or key....:-)

What I like about the QRP group IS the Tech side. It is rare in the real world and very much being used in this group. Why not have Extra test include the need to explain an implementation of a Fast Fourier Transform.

Last time I pushed the output of a MRX40 through a FFT I saw no less than 15 CW QSO's, 2 RTTY and what I think was a PSK31 signal from all over. Talk about a contest position, working 15 CW QSO's at the same time, some of which a barely audible.

Christopher Cox
KC8FRJ

Date: Tue, 14 Dec 1999 08:08:23 -0500
From: wgabriel@dukeengineering.com

To: qrp-l@Lehigh.EDU
Subject: [57996] RE: Keeping your wire antenna in the trees
Message-ID: <85256847.00483181.00@deinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Ray, W5XE, expressed concern that people can get hit by bricks, etc, if the rope holding them breaks as they are passing underneath. This is a valid safety issue.

What do I do? The bottles of sand that I use are typically only about 6 feet off the ground at the max which helps. Actually, I find it useful to be able to reach them to exercise the pulleys or to give them a tug to check the tension.

Also, most are placed where someone would not normally be walking or under them without real purpose in being there. Think a bit on your antenna layouts and you might can do similarly.

Hope this helps - Watson/WB4EXW

<snip>

I have always been concerned that the rope holding the bricks or sand bucket will let go just as someone passes underneath. I don't recall reading anywhere that such ever happened, but.....

<snip>

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Tue, 14 Dec 1999 08:19:01 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:Macstein@aol.com" <Macstein@aol.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [57997] FYBO 2000 and ND/QRP Club outing
Message-ID: <199912140822_MC2-9101-1CEA@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Mac:

Well here in ND we finally have a bit of actual S--N--O--W on the ground.
It's not but a serious dusting, but it's there. Looks like winter, anyway.
BTW, sure glad I finally the antenna farm finished (except for the 40
Metre beveridge).

So you can bet that the newly forming ND/QRP Club will be in the fray. The
club may have to put up a wind break, but we will be out somewhere and in
force. Just maybe we can give MN/QRP a bit of competition :-).

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Tue, 14 Dec 1999 06:29:42 -0700
From: Ray Colbert <af852@rgfn.epcc.edu>
To: revinger@comwares.net
Subject: [57998] Re: "new" boat anchor
Message-ID: <38564646.15BABD3E@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You might go to <http://bama.sbc.edu/hallicra.htm>

while this is for the S38A, not enough difference to amount
to much. Certainly worth looking at before sending the 15 bux
to the W7FG or Hi-Manual sources.
Hi-Manuals of Council Bluffs, Ia at: <http://www.hi-manuals.com/>
and having done business with him in the past for boat anchors
and canoe weights, highly recommended for high quality copies.

73
Ray

--
"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Tue, 14 Dec 1999 07:28:57 -0600
From: Wayne Alexander <walexan@ipa.net>
To: qrp-l@lehigh.edu
Subject: [57999] Screw Driver antenna.
Message-ID: <4.2.0.58.19991214072617.00956910@popd.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does any one know Don Johnson E-Mail address?
I have one of his Antenna's and need to ask some question's
about it. A Phone number would work also.
Thanks in advance.
Have a great day everyone.

73,
N0EA
Wayne
Willard, MO
FISTS # 4907
QRP-L # 1058

Date: Mon, 13 Dec 1999 15:41:48 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [58000] Re: Keeping your wire antenna in the trees
Message-ID: <38555A0C.93FD8776@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use plastic gallon milk jugs. Can adjust the weight continuously by
the amount to water I put in them. Replace them each spring. The cold
wx and freezing water will eventually cause them to crack and leak.

Ed Kwik AB8DF

AI2Q Alex wrote:

>

> I find that ordinary red bricks--the type with holes in them--let me
> "adjust" the weight, adding bricks as required. I use a system of halyards
> and pulleys with brick-laden weights at each end and it works FB when the
> big trees start to bend in the wind!
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QR-L 687
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Karl Kanalz
> Sent: Monday, December 13, 1999 8:20 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Keeping your wire antenna in the trees
> Importance: High
>
> Chas,
> You can use the techniques shown in your ARRL Handbook. On at least ONE end
> of your wire antenna, support it through a pulley at the tree, running a
> rope from the end of the antenna through the pulley down toward the ground.
>
> At the end of this "support rope", fasten a bucket filled with concrete to
> keep the antenna in the air and horizontal. As the tree flexes in the wind,
> the bucket of cement (on that support rope) will rise and fall and keep
> tension on the antenna wire without breaking it.
>
> Read that handbook!
>
> Karl K - W8TIF
> McKinney, Texas
>
> -----Original Message-----
> From: Charles Greene [mailto:cgreene@loa.com]
> Sent: Saturday, December 11, 1999 5:16 PM
> To: Low Power Amateur Radio Discussion
> Subject: Antenna Tree Supports
>
> Hi all,
>
> I need some advise from some of you guys who are using
> a tree for an antenna support. The wind is pretty high here,
> and for the second time in two months, my W3EDP antenna
> broke at the tree. How can I keep it up?
>
> Also, my vertical bent over 20 degrees from the vertical today,
> so I will have to rotate it 180 deg. so the NW wind will
> straighten it out again.
> -----
>

> Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
> and May 99 QST. K2 S/N 462.
>
> Chas, W1CG
>
> Rhode Island TCPIP Address Coordinator
> w1cg@arrl.net
> -----

Date: Tue, 14 Dec 1999 08:54:14 -0500
From: "Ken Simpson" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [58001] HF mobile antennas FS
Message-ID: <027701bf463a\$ce70a700\$395ffea9@kensimps>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HF mobile antennas For Sale:

Hustler Standard (400 Watt PEP) version resonators:
RM-75 new - still in Hustler blister pack \$ 22

Valor - ProAM PHF-15, 15 meter "Hamstick"
new, still in blister pack \$ 20

Hustler BM-1 bumper mount - new in blister pack \$ 17
BM-1 used \$ 13

Hustler RSS-2, Stainless Steel resonator spring \$ 9

I know this is not QRP, but it can be used with
QRP rigs to give a bigger bandwidth:
Hustler Super (2000 watt PEP) version resonators:
RM-40 S like new \$ 27
RM-20 S like new \$ 20
RM-15 S like new \$ 18

Not HF, but mobile:
2 m mag mount 1/4 wave antenna
(Could also be cut for 220 MHz or 450 MHz) \$ 15

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@juno.com
Voice Phone (352) 732-8400

Date: Tue, 14 Dec 1999 08:07:42 -0600
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [58002] Re: FYBO 2000
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA02077B0B@ucusmail.spectrapoint.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

And here in Texas I've already got my operating position staked out within arms reach of the hot tub. Now if the air temperature will just drop into the 30's that morning I'll have a good multiplier. See y'all on February 5th.

72's es 73's,

Brad, W5CGH

=====
Brad Bradfield, PE
Test Staff Engineer
SpectraPoint Wireless LLC
(W) 972-852-7101
(Pgr) 972-648-3632

Date: Tue, 14 Dec 1999 09:14:29 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <fgrig@iea.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58003] Re: Learning Code is Necessary
Message-ID: <018a01bf463d\$f53c91c0\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When I moved to NY back in 1978, I had to change over my license and registration for the car. At the time, the forms that came from the state included a card that informed me I was REQUIRED by law to answer the questions. They included a question on if I was one of the following kind of thing, and the list included stuff like MD, EMT, and such, and HAM Radio Operator.

Down the card near the bottom it said the following questions were VOLUNTARY and had a box to check to inform the state of my callsign, and another box to check if I wanted HAM radio plates.

Mike

----- Original Message -----

From: Frank Grigaliunas <fgrig@iea.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, December 13, 1999 9:49 PM
Subject: Re: Learning Code is Necessary

> Ian C. Purdie VK2TIP <ianpurdie@integritynet.com.au> wrote:
>
> > 1. We are supposed to be communicators and, in return for the
> > privilege of using a scarce spectrum we are expected to be a reserve
> > service able to get through in times of dire emergency. If cw can't
get
> > through in such circumstances then phone won't even get off the
ground
> > (metaphorically).
>
> I never gave this much thought until the other day when I was looking
at
> the Washington state law about ham radio license plates for your car.
I
> found the following statute, which makes it clear that the state of
> Washington, at least, views us as a valuable reserve service.

>
> 46.16.340. Amateur radio operator plates -- Information furnished to
> various agencies
>
> The director, from time to time, shall furnish the state military
> department, the department of community, trade, and economic
development,
> the Washington state patrol, and all county sheriffs a list of the
names,
> addresses, and license plate or radio station call letters of each
person
> possessing the special amateur radio station license plates so that
the
> facilities of such radio stations may be utilized to the fullest
extent in
> the work of these governmental agencies.
>
> Frank, AB7YT
>
> Frank and Karen Grigaliunas, 1816 W. Dean, Spokane, WA 99201
> fgri@iea.com --*-- (509) 326-7147 --*-- <http://www.iea.com/~fgri/>
> "The Internet doesn't annoy people. People annoy people."
>

Date: Tue, 14 Dec 1999 06:06:17 -0800
From: Phil Wheeler <w7ox@mindspring.com>
To: Radman <radman@best.com>
Cc: elecraft@qth.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58004] Re: [Elecraft] Weller Stations on Sale !!
Message-ID: <38564ED9.B3AECA17@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radman wrote:

>
> Gang,
>
> If you're looking for a new Weller soldering station, Wassco has both the
> WES50 and the WTCPT on sale.
> The WES50 is: \$84.95 and the WTCPT is: \$79.95 (best prices I've seen.)
>

Hmmm .. WASSCO must run that sale a couple of times a year. I paid \$79.95 for my WTCPT in June, and it has really improved the quality of my soldering over the old low power pencil iron.

Phil

Date: Tue, 14 Dec 1999 07:19:31 -0700
From: Maurice L Haynes <kv7g@juno.com>
To: we6w@qsl.net
Cc: qrp-1@Lehigh.EDU
Subject: [58005] Re: QRQ NET PRACTICE Sentences:
Message-ID: <19991214.071933.-595151.0.kv7g@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ed

It appears that you are not Y2K compliant !!!!!!!

Bud - Yuma, AZ

On Mon, 13 Dec 1999 10:31:16 -0800 Ed Loranger <we6w@qsl.net> writes:
> GAng, I'll be on vacation until 1/6/1999.

Date: Tue, 14 Dec 1999 10:01:33 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58006] Re: FYBO 2000
Message-ID: <Pine.LNX.4.04.9912140955140.11594-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Dec 1999 KB0R@aol.com wrote:

> And the Minnesota QRP Society is getting ready for FYBO. No snow or other
> signs of winter here yet.

And the MDmW's are set to go from the same 324' ASL "peak" we used last year. No second place this year, no sir! We're going for the gold and we've got a case of soup to bet on it!! For the new folks, several of the clubs bet a case of soup, donated to a local shelter, on the outcome of FYBO. So far I don't think the MN boys have ever had to pay up. If I remember right they are undefeated for all three years.

Seriously, one of these days were gonna get MNQRPS. You think all this global warming it happening by chance? :-)

72

```
-- Chris Cartwright,   Technical Engineer   |       ccart@phideaux.com       --  
-- N3XRV      ARRL-VE   Norcal Zombie #163   |       Gaithersburg, MD FM19je   --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Tue, 14 Dec 1999 08:08:32 -0700
From: "Rod Cerkoney" <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <elecraft@qth.net>
Cc: <w6toy@erols.com>, "Dee Hester" <ddh2@bigfoot.com>, "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
Subject: [58007] KOKOPELLI 1--Date & Detail
Message-ID: <016d01bf4645\$36caa080\$c68611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

Got things worked out, it's now up to the WX.

DATE: Fri, 17-Dec-1999
TIME: 1200-1600 MST, 1900-2300 UTC (Approx.)
QTH: Sherman Mountains/Vedauwoo (pron. VEE DA VOO)
 Between Cheyenne & Laramie along interstate 80
FREQ: Near QRP CW calling freqs. 10, 15, 20, 40

ABOUT THE AREA:

The Sherman mountains were name after Gen. W.T. Sherman, by Grenville Dodge, a surveyor, who discovered the area when chased that way by Indians in 1855. The area between Cheyenne and Laramie along and near I-80 mark the old Union Pacific Railroad route. In the area is Sherman pass, 8235ft, the highest point along that RR route.

So far the WX looks good 30-40's, dry. So keep your fingers crossed. If the WX turns sour I have an alternate QTH in Cheyenne. If the WX is REAL bad, I'll try another day, TBD.

ABOUT THE EVENT:

In addition to providing WY QSL's to those who need them, I thought it would be fun to have this be a "K2 Operating" event. We haven't had one of those yet. So if you have a K2 lets exchange K2 Serial Numbers, mine is SN #286. If you are using any other rig just give me your power. Proposed exchange:

Me: <RST> WY Rod SN286

You: <RST> <SPC> <NAME> <K2 SN#> or <Power>

After that any chit-chat you care to offer.

HOW TO FIND ME (on the bands):

I hope to be in position and ready by 12n MST. I have a little scouting to do in the area to find a suitable operation location.

Listen to the NCDXF Assoc. Beacons, <http://www.ncdxf.org/>. I'll start by listening to the 10M beacon, if I hear NY or CA I'll start on 10M and work down as CONDX dictate. If I don't hear the CA, NY beacon, I'll move down until I detect decent coast to coast propagation. I'll be calling CQ CQ QRP DE NØRC/7.

I'll post my log to QRP-L and the Elecraft list, by Mid-day Sat. Send fills and corrections, then I'll get to work on QSL cards.

If the WX gets bad, and I abort the event I'll post to QRP-L & the Elecraft list stating so, along with alternate dates. (There is a WEB CAM near my proposed QTH if your interested:
<http://wydotweb.state.wy.us/Docs/Roads/WebCameras/TelephoneCanyon/TelephoneCanyon.html>)

EQUIPMENT:

XCVR(S): K2 #286 main rig, backups: NorCal 20 & DSW 40

ANT: G5RV probably Inverted-V mount, apex ~25-30ft., I'll also have some wire to erect a random length longwire as a back-up.

Coffee: Starbucks ;-)

Don't worry about me running out of power. I'll have 3 spares: 3Ahr, 7Ahr and my save the world from Y2K 33Ahr.

So that's the deal, please send question directly to me to keep list traffic down. If warranted I'll send updates to the lists. If you

can't get on the air Fri. fear not. I'll sked another KOKOPELLI outing
in the near future for WY and/or NE (another hard to get state).

72/3 Rod, N0RC -- Fort Collins, CO

Date: Tue, 14 Dec 1999 10:16:31 -0500
From: w2xn@juno.com
To: qrp-1@lehigh.edu
Subject: [58008] Fox Hunt
Message-ID: <19991214.101635.-788731.3.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Dave,

Thanks for doing the Fox Hunt. I think you did an excellent job.
Especially since you heard and logged our whole team of Swamp Rats (hi
hi). You are to be congratulated on the fine job.

Thanks, Dave,

Fred W2XN w2xn@arrl.net (One of the Swamp Rats)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES
AR QRP #233 QRP-L #1728 NJ-QRP #197 ZOMBIE #709
My Web Page: <http://w2xn.homepage.com/>

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Date: Tue, 14 Dec 1999 09:48:14 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'af852@rgfn.epcc.edu'" <af852@rgfn.epcc.edu>, Low Power Amateur Radio
Discussion <qrp-1@Lehigh.EDU>
Subject: [58009] RE: Keeping your wire antenna in the trees

Message-ID: <2D343922E283D211945C0008C7A41B2A013101ED@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Well, Ray, the answer is simple:

Don't put your bucket(s) or bottle(s) or brick(s) HIGH in the air! You should keep them about three feet (or less) above ground (dirt) level!

A squirrel might get mashed accidentally, but no person.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Ray Colbert [mailto:af852@rgfn.epcc.edu]
Sent: Monday, December 13, 1999 7:45 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Keeping your wire antenna in the trees

I have always been concerned that the rope holding the bricks or sand bucket will let go just as someone passes underneath. I don't recall reading anywhere that such ever happened, but.....

Date: Tue, 14 Dec 1999 10:54:56 EST
From: Cw4n5iw@aol.com
To: qrp-1@lehigh.edu
Cc: n5iw@qsl.net
Subject: [58010] FOX: N5IW preliminary log and comments
Message-ID: <0.8484e8a7.2587c250@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

WOW! Amazing pileup after my first CQ. Really blew me back into my chair. There were huge signals on the band last night and plenty of hounds for sure. You guys really kept me busy. Fortunately the QRM, Buzz noises, SSB, and hetrodynes seemed to stay under control and I had great fun.

I used the 80m fullwave loop for 95% of the contacts. It had lower noise and seemed to be stronger most of the night.

Signals were awesome until about 8:30 CST, then it was just like someone thru a

switch and turned off the band for about 10 minutes. I worked a few stations in this period; but signals were real weak and distorted. Maybe Paul can shed some light on what kind of solar anomaly occurred. The band snapped back at about 8:45 CST and the signals were great again. By this time I had quite running and was sitting right on the call frequency just trying to add to the tally.

You guys shot me full of holes. There is no pelt left. So watch for me on Wednesday nite. I will be out for a new pelt of my own.

Many thanks to those I worked, those who tried to work me (been there plenty), and to those who just may have listened. I had a great time and it was a super experience. I have been in plenty of contests and ran quite a few freqs; but there is little to compare with the opening rush during a fox hunt. :^)

Here is my preliminary log:

Seq	Freq	Mode	Date	Time	CALL	RST	RST	QTH	NAME	NUM/PWR
1	7.037	CW	14-DEC-99	01:01	NQ7X	559	559 AZ	FLOYD	343	
2	7.037	CW	14-DEC-99	01:03	W0CH	559	559 MO	DAVE	618	
3	7.037	CW	14-DEC-99	01:04	N0EA	559	559 MO	WAYNE	1058	
4	7.037	CW	14-DEC-99	01:05	N0EHW	559	579 MO	TIM	2047	
5	7.037	CW	14-DEC-99	01:06	N1LN	559	599 TX	BRUCE	2049	
6	7.037	CW	14-DEC-99	01:07	N1TP	559	569 FL	TOM	1317	
7	7.037	CW	14-DEC-99	01:08	K10J	559	559 NJ	TOM	732	
8	7.037	CW	14-DEC-99	01:09	K5ZTY	559	559 TX	BILL	473	
9	7.037	CW	14-DEC-99	01:11	K1JD	559	559 RI	JOHN	1945	
10	7.037	CW	14-DEC-99	01:12	K0EVZ	559	579 ND	DOC	861	
11	7.037	CW	14-DEC-99	01:14	WD4MSM	559	559 IN	BARRY	642	
12	7.037	CW	14-DEC-99	01:15	W5TFB	559	559 TX	JACK	282	
13	7.037	CW	14-DEC-99	01:15	KQ5U	559	559 TX	TERRY	1603	
14	7.037	CW	14-DEC-99	01:17	K5VUU	559	559 TX	ED	1343	
15	7.037	CW	14-DEC-99	01:19	AE4Y	559	559 GA	KENT	1844	
16	7.037	CW	14-DEC-99	01:20	AA5TA	559	559 TX	LARRY	1245	
17	7.037	CW	14-DEC-99	01:21	AF4PS	559	569 FL	MAC	704	
18	7.037	CW	14-DEC-99	01:23	KJ5SP	559	559 OK	MEL	1287	
19	7.037	CW	14-DEC-99	01:24	W0JOE	559	559 MO	JOE	1901	
20	7.037	CW	14-DEC-99	01:25	W5YR	559	559 TX	GEO	1373	
21	7.037	CW	14-DEC-99	01:27	N4XDW	559	559 AL	JIM	1372	
22	7.037	CW	14-DEC-99	01:29	K5RV	559	599 LA	BRIAN	324	
23	7.037	CW	14-DEC-99	01:30	W2XN	559	559 FL	FRED	1728	
24	7.037	CW	14-DEC-99	01:32	AB5UA	559	559 OK	CLIFF	478	
25	7.037	CW	14-DEC-99	01:33	KI7MN	559	579 AZ	BOB	271	
26	7.037	CW	14-DEC-99	01:35	KU4AF	559	559 NC	JOHN	987	
27	7.037	CW	14-DEC-99	01:36	K5JHP	559	559 TX	BILL	825	
28	7.037	CW	14-DEC-99	01:38	AE2T	559	559 NY	AL	1664	
29	7.037	CW	14-DEC-99	01:39	K1MG	559	559 CA	MIKE	614	
30	7.037	CW	14-DEC-99	01:40	N4ROA	559	559 VA	DAN	970	
31	7.037	CW	14-DEC-99	01:41	KI0II	559	559 CO	RON	928	

32	7.037	CW	14-DEC-99	01:42	WS4S		559	569	CO	CONRAD	993
33	7.037	CW	14-DEC-99	01:44	N0RNN		559	559	CO	SEAN	5W
34	7.037	CW	14-DEC-99	01:46	KB9BVN	559	599	IN	BRIAN	1540	
35	7.037	CW	14-DEC-99	01:47	K8CV		559	559	MI	WALT	935
36	7.037	CW	14-DEC-99	01:48	N5LU		559	559	OK	BILL	2009
37	7.037	CW	14-DEC-99	01:49	N0DT		559	559	MO	DAN	4W
38	7.037	CW	14-DEC-99	01:51	VE3JC		559	579	OM	JOHN	744
39	7.037	CW	14-DEC-99	01:52	K5AAR		559	559	OK	DON	1512
40	7.037	CW	14-DEC-99	01:54	AF4PP		559	559	GA	CHUCK	1785
41	7.037	CW	14-DEC-99	01:55	AB8DF		559	559	MI	ED	1444
42	7.037	CW	14-DEC-99	01:57	NV4V		559	559	KY	PETE	1721
43	7.037	CW	14-DEC-99	01:58	WD8KQY	559	559	OR	GARY	446	
44	7.037	CW	14-DEC-99	01:59	K1VP		559	569	NH	ED	1960
45	7.037	CW	14-DEC-99	02:01	KC1FB		559	559	CT	JIM	29
46	7.037	CW	14-DEC-99	02:02	N8VAR		559	559	OH	RON	263
47	7.037	CW	14-DEC-99	02:04	N9KW		559	599	IL	JOHN	1257
48	7.037	CW	14-DEC-99	02:06	KI0P		559	599	CO	BOB	236
49	7.037	CW	14-DEC-99	02:07	AB7MY		559	559	AZ	GARY	571
50	7.037	CW	14-DEC-99	02:08	N6XU		559	559	IN	STAN	66
51	7.037	CW	14-DEC-99	02:09	N8IE		559	599	OH	DAN	1404
52	7.037	CW	14-DEC-99	02:11	N6WG		559	559	CA	BOB	26
53	7.037	CW	14-DEC-99	02:14	KF2PH		599	559	NY	NICK	13
54	7.037	CW	14-DEC-99	02:16	K0PC		559	559	MN	PAT	1964
55	7.037	CW	14-DEC-99	02:17	WW7Y		559	559	WA	STEVE	94
56	7.037	CW	14-DEC-99	02:20	KA4BM		559	579	FL	JIM	4W
57	7.037	CW	14-DEC-99	02:21	WB8RCR	559	559	MI	JOHN	1446	
58	7.037	CW	14-DEC-99	02:22	VE5RC	559	229	SK	BRUCE	886	
59	7.037	CW	14-DEC-99	02:23	W4UTI		559	559	AZ	KARL	1097
60	7.037	CW	14-DEC-99	02:25	AJ4Y		559	559	FL	PAUL	1795
61	7.037	CW	14-DEC-99	02:26	KU7Y		559	559	NV	RON	17
62	7.037	CW	14-DEC-99	02:28	N0AR		559	559	MN	SCOTT	1455
63	7.037	CW	14-DEC-99	02:30	WE6W		559	339	CA	ED	1068
64	7.037	CW	14-DEC-99	02:32	KA3WMJ	559	559	PA	KEN	355	
65	7.037	CW	14-DEC-99	02:34	N0TU		559	559	CO	STEVE	911
66	7.037	CW	14-DEC-99	02:35	AB0GO		559	559	CO	DAVE	785
67	7.037	CW	14-DEC-99	02:40	WZ2T		559	559	NY	RICK	122
68	7.037	CW	14-DEC-99	02:43	AA0ZZ		559	559	MN	CRAIG	1238
69	7.037	CW	14-DEC-99	02:44	N0RC		559	559	CO	ROD	1684
70	7.037	CW	14-DEC-99	02:45	NA5N		559	559	NM	PAUL	38
71	7.037	CW	14-DEC-99	02:48	AB7CE		559	559	MT	ROY	1494
72	7.037	CW	14-DEC-99	02:49	KB9IUA	559	559	IL	KEVIN	384	
73	7.037	CW	14-DEC-99	02:51	N9MZP		559	559	IL	WALT	2060
74	7.037	CW	14-DEC-99	02:52	W8RU		559	559	MI	RON	188
75	7.037	CW	14-DEC-99	02:54	VE6EWM	559	449	AB	EARL	1076	
76	7.037	CW	14-DEC-99	02:56	W8SFF		559	559	MI	STEVE	1288
77	7.037	CW	14-DEC-99	02:59	N7GS		559	559	MT	MAL	815
78	7.037	CW	14-DEC-99	03:00	N9AW		559	559	WI	JERRY	1271

Apologies in advance for any errors I made. I will post another copy of the log. When I have totally finished my deciphering. I will also post a copy of the log at my web site: http://www.qsl.net/n5iw/n5iw_fox.txt

Thanks again,

72 es 73 de N5IW (x AB5WX) Dave #1718 Round Rock, TX

Date: Tue, 14 Dec 1999 11:12:03 EST
From: NB6M@aol.com
To: mmorrow@companet.net
Cc: qrp-1@lehigh.edu
Subject: [58011] Re: Learning Code is Easy
Message-ID: <0.a13c3036.2587c653@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Mike, and all,

Well, it really is wonderful that we are all able to voice our own opinions in such a free way.

The bottom line of what I was saying in my post is that I believe that sending is the best way to learn, and certainly makes one much more prepared for any and all CW QSOs.

As to clubs and other assistance for learning hams, I only have one thing to say. We individual hams can help, too, and perhaps that is more what is needed. I freely offer my assistance to anyone, ham or not, who wants to practice or needs assistance learning code. So, if you are having trouble and want assistance, contact me. I will do all I can to provide that help. I am a VE and am quite familiar with current testing processes, as well.

By the way, I know quite well when I make a sending mistake, because I know in my head how the character is supposed to sound before I ever send it. Also, you get to the point where you are copying whole words, instead of single characters, and you know how that is supposed to sound too. So, at least for myself, I have never sent so fast that I could not tell whether it was clean or not. The point I was making is that everyone's receiving ability lags slightly behind their sending ability, whatever speed that happens to be.

At any rate, let's all try to help each other. I stand ready.

72,

Wayne NB6M

Date: Tue, 14 Dec 1999 07:15:15 -0500
From: Charles Greene <cgreene@loa.com>
To: jimdurkin@yahoo.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58012] RE: Antenna Supports
Message-ID: <4.2.2.19991214070607.00ab1510@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:41 AM 12/13/99 -0800, Jim Durkin wrote:

>Bricks, especially the ones with holes, are cheap and
>easy. One is about the right weight for my location.

To Jim and All,

Tnx for all the response. What I neglected to say was the entire antenna was a portable one I decided to install for the Winter. It is made of #24 hook up wire and has miniature plastic insulators. I was using a plastic chlorox bottle partly filled with water, but the forces of the tree swaying in the wind didn't transfer very well to the weight because of its inertia. So I am going to get a pulley for each end weight and a bunge cord and try it again.

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator
w1cg@arrl.net

Date: Tue, 14 Dec 1999 07:04:23 -0500
From: Charles Greene <cgreene@loa.com>
To: inforhc@mail.infocom.etcscu, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [58013] RE: Vacuum tube rigs for milliwatting A LOT OF FUN !
Message-ID: <4.2.2.19991214064850.00ab61b0@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:41 AM 12/13/99 -0500, Prof.Arnaldo Coro Antich wrote:
>YES ! A LOT OF FUN !!!
>Vacuum tubes do seem to work fine at extremely low
>DC plate voltages (at least some of them do)
>NO...

Hi,

Talk about nostalgia-. When I was a teenager in the 40's
me and a friend used to play around with radio and audio.
There was a two tube regenerative radio in a magazine
called Radio Electronics I think. It two of the 6C6 tube, which
was a large bottle with a cap on the top. It was a low signal
pentode amplifier tube. The radio interchanged the control grid
and screen grid and ran with 6v on the plates and 6 volts
on the control grid. The signal went to the screen grid.
It had plug in coils for the SW bands. It was tough trying
to find parts; variable capacitors were the hardest. The
radio worked fine. I don't have any of those tubes any more
or know whether any other pentode would work in this
application. The screen grid was separate and not
connected to any beam forming electrodes. Try it!

&2/73 Chas, W1CG

Date: Tue, 14 Dec 1999 11:11:33 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:ccart@phideaux.com" <ccart@phideaux.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [58014] Re: FYBO 2000 and ND/QRP Club
Message-ID: <199912141114_MC2-9109-57D@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Chris:

I have at long last decided to form the long-awaited ND/QRP Club. So far, the membership list totals one QRPer, the grizzled old veteran K0EVZ. But we have decided to form a club because of the need to participate in FYBO as a group--since it may be too cold for a single operator to compete the entire time.

Call used = K0EVZ (until our club call is issued).

Bands = will depend on conditions. If the higher bands are open, will be there. But 20 always looks promising/tempting.

Setup will be a K2 and possibly some monobanders to a variety of wire antennas. Power will be from a bank of deep cycle marine batteries.

Hope to run into you on there somewhere. Thanks and GL.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Tue, 14 Dec 1999 08:22:13 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [58015] Re: QRQ NET PRACTICE Sentences:
Message-ID: <38566EB5.EFA07D2@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

>
> Haaaaaaaaaaaaaaaa! Thanks for catching that. And I'm ON THE
> Y2K team here!!!!
>
> Har! 72/Ed we6w

>
> Maurice L Haynes wrote:
> >
> > Ed
> > It appears that you are not Y2K compliant !!!!!!!!
> >
> > Bud - Yuma, AZ
> >
> > On Mon, 13 Dec 1999 10:31:16 -0800 Ed Loranger <we6w@qsl.net> writes:
> > > GAng, I'll be on vacation until 1/6/1999.

Date: Tue, 14 Dec 1999 11:48:38 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <NB6M@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58016] Re: Learning Code is Easy
Message-ID: <049d01bf4653\$2f615100\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I agree, if you don't send, you just won't get it. Some people play with just the tapes, just to pass the test, and that's fine, but it's a totally different world on the air. It goes faster (perception wise) since you won't be totally 100% dedicated to just copying the characters, and in some respects it's actually easier, once you start getting the character recognition into 'background processing' in your mind. You start pulling up words from partials based on the context of what you've gotten so far.

And you don't get that by listening to tapes, or computer programs.

I think sending helps the mind start putting the CW 'translation' into background processing, then the brain can concentrate on doing the actual character interpretation.

There's something similar to that in skiing. I work as a ski instructor through the winter. We joke, but we really don't teach beginners to ski, we teach them to survive, just basic skills. And have fun. If they don't survive, they won't be able to come back. If they don't have fun, they won't WANT to come back. But they survive, and they have fun, and somewhere around 6 to 10 hours of skiing, they suddenly discover that when they see someone or something on the trail, and without consciously thinking 'do this with your foot, do this with your ankle, etc' they are suddenly turning where they

want to go, THEN they've moved the mechanics of skiing into background as opposed to having to manage the mechanics in foreground.

Suddenly skiing is really fun, and THEN they can take a second lesson and really learn things.

With CW, I think the same thing needs to happen. You can only push CW so far as a foreground task in your mind. And moving it to background I think happens much faster when you send as well as receive.

Why do people hit 'plateaus' when then try to increase their skill? I strongly suspect there are certain aspects of how they do CW in their mind that they try to 'hold on to' in foreground. They keep thinking too directly about it, and there's only so many things the mind can do real time in foreground. (I know, I really sound like an engineer here!)

Now if we could just learn to identify what those things are that we keep trying to do in foreground and 'let go' of them, so they move into the background and let the speed start climbing!

If we're going to discuss the aspects of CW, and how to get your speed up and your quality rate higher, then this is a great topic! Let's leave it on that track! People know how I feel about the 'other' track.

Mike

Date: Tue, 14 Dec 1999 09:18:04 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [58017] CW learning for me. Long
Message-ID: <19991214171804.5377.qmail@web301.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

There is a lot of advice on how to learn cw. There are very few references to any studies which might have data on the best methods. It appears that each person develops a method that works for her. Does anyone know if the armed services or other

organizations published studies on the best methods?

From my observations advice falls into several categories:

1. Have cw as background music.
2. Practice sending
3. Listen to tapes:
 - a. listen to plain language
 - b. listen to random characters
4. Listen to computer programs so you don't have repetition you might recall.
5. Get on the air. Seems to be a combination of listening and sending practice.
6. Be born with the right genes.
7. Have a friend spell out words to you a letter at a time.
8. Translate things you see into cw.
9. Learn the 100 most common words used in cw so you hear the words.
10. Do head copy.
11. Don't practice more than 15 to 20 minutes at a time.

1. Cw as background music.

This seems to imply that there is a subliminal learning going on where one unconsciously or consciously listens and learns. Not sure how this might be tested but the suggestion surfaces frequently as useful.

2 . Practice Sending.

Advocated as a way of listening to what you send and seems to imply that by using the muscles some learning is imparted to the brain from the muscle activity and from listening to what is sent in the practice. This may be very similar to number 5 with the difference being that you listen to your own version of cw instead of someone else's. Will have to wait for Nils to give some input here.

3. Listen to tapes.

Tapes are available for any speed you happen to be working on. Most come in either plain language or random characters. Some worry that you may memorize the sequence of characters on the tape and not truly learn as efficiently as you might if you did not know what was coming next. In the usual QSO, and in usual language, most of the time you will know what is coming so this may not be a problem. Many say you learn to hear words eventually so you may have to

listen to the same word repetitively to grasp it as a unit. On the way to hearing words as units, one must first hear and retain the individual letters one at a time. It may be that listening to random characters helps to hear the letters one at a time and then listening to known words will give the ability to hear them as units.

In this method suggestions are made to pick a speed and then listen until you can copy some arbitrary percentage of the words. The percentage can be any you like. For me this is to listen until I can get it all. This never happens so I get a lot of use out of each tape<G>.

4. Listen to computer programs.

The main benefit is to have enough material so that you don't ever know what is coming because you don't repeat known patterns.

5. Get on the air.

Advantage here is the real life experience of listening to others send you cw. This is frequently posted as the best way to bring up your abilities in cw. In my experience, doing this almost always results in listening to cw slower than I have practiced on tapes. It generally leaves me feeling I am making progress and learning a lot. This is the only place that knowing cw has any relevance so it makes sense to spend time here.

6. Be born with the right genes.

Implication here is that you are either born with the skill to do cw or you are not. Comparisons are made to playing concert pieces on the piano or maybe hitting a golf ball like Tiger Woods. It may be that these special talents are more like copying 100 wpm and not related to doing a passable qso. On the other hand a concert cellist once told me that anyone could learn to play a musical instrument. His idea was that you had to spend 10 minutes a day practicing. Seems easy but fitting those ten minutes in can be a challenge.

7. Have a friend spell out words a letter at a time.

I have no knowledge of this or whether or not it helps.

8. Translate things you see into cw.

I have no knowledge of this or whether it is helpful.

9. Learn the 100 most common words used in cw so you hear the words.

This seems intriguing. Would love to see a tape of these words done at different speeds. Does anyone know of a resource for this? Seems the logical way to begin hearing words instead of individual letters.

10. Do head copy.

This may be a misnomer. Clearly all copy is done in the head. It appears this means to retain all the letters of a word in your mind until the word is recognized and then to move on to the next word while remembering previous words. The contrast is with writing down every letter as it is heard. There is also an intermediate level in which some words are written for reference and memory is relied on for the rest. The big girls seem to be able to do head copy at higher speeds than the others.

In my experience, learning by tapes and by being on the air seem to be most useful. I have no data and have not seen any information based on some kind of methodical study which imply this is the most useful method.

In trying to be able to retain the most in memory, I have found that I need to listen to tapes that are slower than I can copy when writing every letter. One of the biggest problems is to hear a few letters at the beginning of a word and to then jump to the conclusion that I know the word. For example if I hear squ I might assume the word is squeeze and then get confused when instead of an e I hear an a as in square. When this happens, listening to tapes of random characters helps to bring me back to listening to each letter while not jumping to conclusions about what is to come.

Another problem is missing the first letter of the word. Don't know a cure for this except concentration.

In some ways listening to plain language is the same as listening to random characters. This happens when the speed is high enough to keep from understanding anything but a few characters here and there. Does this help? I don't know. For me it did not seem to

bring the progress that listening to speeds where I could hear and retain most of the letters. In the latter case it seemed I was paying more attention and concentrating more effectively. I am sure your mileage will be the same<G>.

11. Don t practice more than 15 to 20 minutes at a time.

This makes no sense to me. If you have cw on as background music you clearly are practicing more than 20 minutes at a time? If you get on the air it is hardly getting the rig warmed up to have it on for 20 minutes. I may be mistating the intent of this advice. It may just mean than when you get tired of practice take a break. When listening to tapes in the car, there are times when my ability to hear and retain anything goes into shut-down. I don t realize there is a break until it is over. This may have to do with advancing age. At times like these, it may be that the cw is heard as background music which is later switched to more concentrated listening.

None of the theories has any justifying data I know about. They all seem to work for some people some of the time. I believe it all boils down to how much time is invested in practicing cw either listening or sending or both. Unfortunately there is no data to support me either.

Please feel free to disagree with me or to flame me. I consider this the blind speaking to the hopefully more knowledgeable. If there is any way to learn cw more efficiently I want to know about it.

73

Jim kt4a.

PS. The MEGS in Scotland will record cw tapes for you. You send them a tape(s) and tell them what speed and whether you want plain language or something else. More information is on their web site:
<http://www.joates.demon.co.uk/megs/about.htm>

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Yahoo! Shopping: <http://shopping.yahoo.com>

Date: Tue, 14 Dec 1999 12:23:28 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58018] Re: FYBO 2000 and ND/QRP Club
Message-ID: <Pine.LNX.4.04.9912141221380.11594-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 14 Dec 1999, Wilford D. Lindsey wrote:

> I have at long last decided to form the long-awaited ND/QRP Club. So far,

Ahhh... someone who might have a low enough temp to unseat the team from the great state of MN!

> Call used = K0EVZ (until our club call is issued).

Looks like WCOLD, and K0BRR are available :)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 14 Dec 1999 09:34:52 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58019] Fox:Good company
Message-ID: <38567FBC.781DBFDF@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, I feared the worst, that I'd be the only one receiving Dave at "229" RST here in Northern California. And today I read many "BIG SIG" reports on his operation last nite.

If it wasn't for Bruce/VE5RC, who also sent Dave a 229, I'd be tearing down the antenna and tossing that wire mess into my scrap pile.

And even THE Ron/KU7Y gave a weak sig report so my antenna lives on.

Dave, you were strongest at 229, mostly partial copy at 119 during the evening. I feared I'd get mixed up with VE6EWM again but we qso'd in the clear. Thanks for pulling my signal out of the mud, I'm sure it was tough copy both ways.

THANKS for the Pelt! 72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2381/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Tue, 14 Dec 1999 09:59:12 -0800

From: Ed Loranger <we6w@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [58020] Cards on the table...

Message-ID: <38568570.57A2393C@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Ok, I'm stumped. Jeff/AB6MB started the Norcal net and I've run it for a month or 6 weeks now. We've had a few well attended nets but I am confused about why there isn't a HUGE CROWD of Norcal members beating at the proverbial antenna door.

Facts: We've had check-ins from all over, including MN on time. All across CA, NV, ID, WA and OR and even TX have been pretty good. So the Norcal bunch should have no problem checking in.

I'm beginning to feel:

- 1) I'm not good enough to run a net.
- 2) You don't like my style.
- 3) You are afraid to try a net.
- 4) Your afraid to work on CW.
- 50 Other.

If I don't get at least 10 check-ins next Sunday, I'm shutting it down.

Where is everyone?

WSN-40 : Saturday 1700Z UTC; 7040 +/- QRM.
QRP Norcal Net: MONDAY 0200Z UTC; 7045 KHz.
QRQ Practice : Monday 0300Z UTC; 7039 KHz.

Just too busy here to be a one-man show.

Where are you? I'm really a nice guy and love cw.
Let's have some fun!

72/ED we6w

--
-72/Ed WE6W; AR Millennium Q's=> 2381/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Tue, 14 Dec 1999 09:35:02 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: cgreene@loa.com
Cc: qrp-l <qrp-l@Lehigh.EDU>
Subject: [58021] Re: Antenna Tree Supports
Message-ID: <38567FC6.185F01F0@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chas,

For multiband use and 450 ohm ladder line, you are best to extend the length of the dipole beyond resonance by about 13%. That will raise the resistive part of the impedance to create a good match to the 450 ohm line. The 13% has been determined empirically as well as with the Smith chart but verification is always a good idea if possible. The reflected wave due to the reactive mismatch is tuned out with the atu at the transmitter.

Now if you are a real purist, you can use a capacitive tuning stub at the antenna feed point to form a perfect match of antenna to transmission line. Of course, some non radiating energy will be tied up in the stub and it will not match for other than the one frequency. So best to just extend the dipole beyond resonance and use a tuner at the transmitter. That is your basic multiband ham antenna. For 3.5 MHz that would imply an overall antenna length of 150 feet, for 7.0 MHz 75 feet, etc.

72,

Arth W6AGS

Date: Tue, 14 Dec 1999 09:39:03 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: dsirait@centrin.net.id
Cc: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [58022] Re: ANT: The rationale of using Ladder line on Non resonant Antenna
Message-ID: <385680B7.D60C56EE@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth everyone, but I fired this off in response to the wrong post

Donny,

For multiband use and 450 ohm ladder line, you are best to extend the length of the dipole beyond resonance by about 13%. That will raise the resistive part of the impedance to create a good match to the 450 ohm line. The 13% has been determined empirically as well as with the Smith chart but verification is always a good idea if possible. The reflected wave due to the reactive mismatch is tuned out with the atu at the transmitter.

Now if you are a real purist, you can use a capacitive tuning stub at the antenna feed point to form a perfect match of antenna to transmission line. Of course, some non radiating energy will be tied up in the stub and it will not match for other than the one frequency. So best to just extend the dipole beyond resonance and use a tuner at the transmitter. That is your basic multiband ham antenna. For 3.5 MHz that would imply an overall antenna length of 150 feet, for 7.0 MHz 75 feet, etc.

72,
Arth W6AGS

Date: Tue, 14 Dec 1999 11:49:33 -0700
From: zmola@campbellsci.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58023] Re: CW learning for me. Long
Message-ID: <199912141840.SAA26138@demeter.campbellsci.com>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Jim Durkin <jimdurkin@yahoo.com> wrote:

>

> There is a lot of advice on how to learn cw. There
> are very few references to any studies which might
> have data on the best methods.

There are two parts here. One is how to learn, the other is how to practice. They are not the same. At some point you have to get the characters ingrained into your skull. Practice can help you recognize them faster, but you need to know them first.

> 1. Have cw as background music.

possibly a good practice method. It at least give you exposure when you don't set aside time to practice otherwise. This would probably increase your head copying speed.

> 2. Practice sending

This exercises a different skill than copying. I'm sure it helped me. For me this gave quicker recall for the letters and reinforced them in my skull.

> 3. Listen to tapes:

> a. listen to plain language

> b. listen to random characters

For head copying plain language is good. In fact for copying to paper it is also good. You don't have to look up the correct answers then.

Random characters is good when learning the code. Learn 4-6 characters at a time.

> 4. Listen to computer programs so you don't have
> repetition you might recall.

If you listen to a tape enough, you do run into recall problems. A computer program is also useful for making tapes.

> 5. Get on the air. Seems to be a combination of
> listening and sending practice.

It's also more fun and more challenging.

> 6. Be born with the right genes.

Gene therapy seems a little dangerous.

> 7. Have a friend spell out words to you a letter at
> a time.
> 8. Translate things you see into cw.
> 9. Learn the 100 most common words used in cw so you
> hear the words.

This is something to concentrate on after you are on the air. IMHO

> 10. Do head copy.
Great for listening to code as background music. It's books on tape in
CW.

I also suggest learning to not head copy. Copy behind 1 or 2 letters. Don't
try to understand your copy until after you're done. This becomes hard to
do, but I feel it is easier to get up to speed (at least for tests) this way.
This is a completely different skill than sending.

> 11. Don't practice more than 15 to 20 minutes at a
> time.

Burnout can occur. 15-20 min at a time seems reasonable to me.

Most of these pertain to practice and not learning the code the first time
through. Learning the letters is probably the hardest part. They shouldn't
be dit's and dahs. the character should be recognized. If you are
translating it, it's bad, there is no way you can speed up.

Carl

Carl
zmola@campbellsci.com

Date: Tue, 14 Dec 1999 10:56:52 -0800
From: "Tom Scott" <tscott@eni.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [58024] Antenna Analyzers???
Message-ID: <000001bf4664\$fe29f620\$68100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Having moved to a new QTH on a mountain top with 5.8 acres and no
restrictions, I've been considering lots of antenna ideas. It seems like

some sort of antenna analyzer would be very helpful. Considering the purchase of one of the commercial antenna analyzers. I figure QRP-ers are among the most careful about getting a good signal out, and thought I'd ask here what anyone's experience has been.

Have looked at the MFJ-259B (and the new 269 that does 440, but it's a bit more \$ than I want to spend).

The Autek RF5 looks interesting. Autek seems to make some digs at MFJ (or someone) in their ad. I've honestly not been that impressed with MFJ in many things.

I believe AEA makes something also.

Does anyone have any opinions about these or something else? Is there anything you hate about them? Has anyone ever done a thorough, honest evaluation and comparison of these?

Does anyone want to sell their MFJ-259B so they can upgrade to the MFJ-269? By the way, this seems like it would be a great club project that would go a long way toward advancing everyone's antenna knowledge.

Also, what do you do with one of these to analyze a balanced feed antenna / feedline? Do you have to use a 1:1 balun, or do they come with some sort of adapter?

Thanks all!

- Tom

?Tom Scott - Wyle Electronics - KD7DMH
10300 SW Nimbus Ave #PB, Portland, OR 97223
503-603-1931 - Tel 503-684-6620 - Fax
503-703-2032 - Cell

Date: Tue, 14 Dec 1999 14:07:59 EST
From: Wa3ptg@aol.com
To: qrp-l@lehigh.edu
Subject: [58025] HB: Parts
Message-ID: <0.19b98210.2587ef8f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

72
Hap, WA3PTG
Wilmington DE

FYI: <http://www.cebik.com/groundup.html>

GEO de Soquel

George M. Badger III/W3AB w3ab@arrl.net <http://www.mbari.org/~geo>

Date: Tue, 14 Dec 1999 11:18:04 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58027] Re: FYB0 2000 and ND/QRP Club
Message-ID: <01bf4667\$f1d97780\$4ad1fc9e@ham.earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Doc

Glad to see you getting a club under way.

At least right now, you won't have to worry about assembling a quorum to transact official business. :-)

73 and c u on the air, Doc

Date: Tue, 14 Dec 1999 19:21:08 +0000
From: "Mel Evans, Registered Arachne User" <mel@euramcom.freeseerve.co.uk>
To: qrp-1@lehigh.edu
Cc: gqrp@onelist.com
Subject: [58028] HB:Euramcom pages
Message-ID: <E11xxSg-000389-00.1999-12-14-19-18-15@cmailg7.svr.pol.co.uk>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gangues,

<http://www.euramcom.freeseerve.co.uk>

European/American Ham Radio Equivalents Parts Pages

New page entry for Philips trimmer capacitors colours codes. Also lunchtime project of tabling valve/tube/valve equivalents now under way.

Still need help with various countries house wiring details. AND help with co-ax cable equivalents.

Regards

Mel

Visit <http://www.santamail.freeseerve.co.uk> to send a note to Santa

Arachne, the Internet Suite and "QRP" Browser for DOS, supports tables, graphics, animations, forms, HTML 4.0 Transitional Pages and more!

<http://www.arachne4dos.freeseerve.co.uk>

e-mail to: gm6jag@arrl.net
or: mel@euramcom.freeseerve.co.uk

72 & 73 de Mel
GM6JAG
Edinburgh Scotland UK
Home of the last HW9

Date: Tue, 14 Dec 1999 13:31:55 cst
From: wj5o@juno.com
To: QRP-L@LEHIGH.EDU
Subject: [58029] laminate from Sergio
Message-ID: <19991214.133158.-855091.1.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi All,

Great! I received the laminate and it almost overwhelmed me in quality & quantity.

Thank you so very much for your thoughtfulness of the QRP community. Myself and I'm sure the others who have benefited from your un-selfish giving of your time & resources -- We say THANK YOU!

73 Bill "Sparkling City by the Sea" WJ50/B 28.289MHz
Corpus Christi, Texas

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Date: Tue, 14 Dec 1999 11:37:27 PST
From: "James Apple" <wb1dog@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [58030] Installing Silver contacts on k8ff paddles ??
Message-ID: <19991214193727.16563.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I got my contacts in the mail yesterday, (Thanks to the kind gentleman who's email I can find right now, old age ...) How have other people installed these ? It seems like it's going to be tough to get them square ?

Thanks in Advance.

- Jim WB1DOG

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 14 Dec 1999 15:02:26 -0500
From: dnt1@daimlerchrysler.com
To: qrp-1@Lehigh.EDU
Subject: [58031] N/T+ Fox : KF4YWT NOT!
Message-ID: <0FA8E65F15.71420504-0N85256847.006DEB4E@notes.chrysler.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Attention all:

KF4YWT is not going to be on the air tonight as N/T+ fox per the schedule; he is currently running a 101 deg. fever & will be in bed instead of the shack. He may appear tomorrow night (12-15-99) if all goes well. If not, I'll post again to warn of N/T+ Fox scarcity. Thanks!

73,

Don T. AI4CW

Date: Tue, 14 Dec 1999 15:03:44 EST
From: JClinton46@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [58032] Re: CW learning for me. Long
Message-ID: <0.849b93b.2587fca0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have followed this CW thread with interest. Some personal observations.

I am currently struggling with the code. Almost 30 years ago I "learned" the code. Actually just enough to decipher 3 letter identifiers for NavAids (Aviation road signs). The code was a block (real or perceived) to my

obtaining a license. Several years ago a friend (Tech plus) told me about the No-Code license. With a week of "study" I was able to easily pass the test. (Took about that long to read the manual in my limited spare time). For me the technical part was EASY.

Access to the VHF/UHF bands was not enough for me. I have set a goal of learning the code and obtaining at least Advanced. Even though it has been a struggle for me, I support the code requirement or some other difficult technical requirement to gain access to precious HF frequencies.

I have been in industrial training for years and I believe there are four stages of learning. Unconscious incompetent, Conscious incompetent, Conscious competent, and Unconscious competent.

If you have ever taught a kid to drive you can easily recognize these stages.

Unconscious incompetent - Not only do you not know how, you don't even have a clue as to what is required. Ask any thirteen year old. They can drive as well as anybody, just give them a car.

Conscious incompetent - Still can't perform but at least they now understand at least some of what they don't know. This is the stage where learning begins. Remember how the teenager weaved over the road, braked or accelerated with a series of jerks and if they had to shift!!!!

Conscious competent - Can perform, with some hesitation, but must think about what is to be done. Remember them looking down to see where the brake pedal was before stepping on it.

Unconscious competent - Where we all want to be. Another part of the brain takes care of the routine functions and we are able to drive and talk at the same time. (Note, some folks become incompetent at this stage. They fail to notice when the autopilot disengages because they are busy putting on makeup or dialing the cell phone.)

I am somewhere between Conscious incompetent and Conscious competent. Those individuals who can copy while doing other functions are Conscious competent and the 45 wpm speed demons are the race car drivers of this world. Some people learn easily and some don't. But with consistent effort and practice I believe it is possible.

Clint Poss
KE4FDT

Date: Tue, 14 Dec 1999 15:10:18 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>

To: James Apple <wb1dog@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58033] Re: Installing Silver contacts on k8ff paddles ??
Message-ID: <Pine.3.89.9912141539.D2206-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 14 Dec 1999, James Apple wrote:

>
> I got my contacts in the mail yesterday, (Thanks to the kind gentleman
> who's email I can find right now, old age ...) How have other people
> installed these ? It seems like it's going to be tough to get them square ?
>
I installed a set in one of my two paddles last night and had a little
time to try it this afternoon - works perfectly! I wouldn't be too
concerned about getting them exactly square since their surfaces are
rounded anyhow. As long as they meet somewhere on their silvered
surfaces, contact should be good.

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 14 Dec 1999 15:24:58 EST
From: AD6EZ@aol.com
To: qrp-l@lehigh.edu
Subject: [58034] Re: How CW on FM?
Message-ID: <0.d7e4f1fa.2588019a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang -

It has been a while for me, but here is a bit of useful information: QST
July 1997 had a nice article called: CW With Your H-T. I bought all the
components and will start to build it soon. If you H-T has separate Mic and
Headphone jacks it will be easier to set it up. My Yaesu FT-50RD has an
all-in-one jack and so I will have to use an external speaker or headphones
to listen with. A friend, Phil W6QX, has built one and it works great!

Give it a try.

73 es God Bless de Denny AD6EZ <><
Goleta, CA

Date: Tue, 14 Dec 1999 15:36:48 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-1@lehigh.edu
Subject: [58035] Re: CW learning and Ameco Code LP
Message-ID: <v0310280db47c5889a9e8@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The old Heathkit uMatic keyers had a great feature, it generated code at programmable speeds for practice purposes. You got a mix of letters, numbers, punctuation, etc. at any speed you wanted. Great for learning how a certain speed sounded.

My uMatic is another project in a box on the shelf waiting for it's time on the bench.

Are there any keyers on the market today that will generate code practice?

BTW, I still have the Ameco Code Course LP that I used to practice for my General back in 1964. You could run it at 16 2/3, 33, 45 or 78, it drove my parents crazy. They celebrated the day I passed my General for more than one reason.

72,

Rick kf4ar

Date: Tue, 14 Dec 1999 14:34:47 -0600
From: "Bill Allen" <bill@pcatexas.com>
To: <AD6EZ@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58036] Re: How CW on FM?
Message-ID: <003101bf4672\$ac779f40\$356840ce@bill.ou-town.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Where can I get a hold of this back issue of QST? Are back issue articles available on the web?

73
KC5ADF
Bill Allen

-----Original Message-----

From: AD6EZ@aol.com <AD6EZ@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, December 14, 1999 2:27 PM
Subject: Re: How CW on FM?

>Hi Gang -
>
>It has been a while for me, but here is a bit of useful information: QST
>July 1997 had a nice article called: CW With Your H-T. I bought all the
>components and will start to build it soon. If you H-T has separate Mic
and
>Headphone jacks it will be easier to set it up. My Yaesu FT-50RD has an
>all-in-one jack and so I will have to use an external speaker or headphones
>to listen with. A friend, Phil W6OQX, has built one and it works great!
>Give it a try.
>
>73 es God Bless de Denny AD6EZ <><
>Goleta, CA

Date: Tue, 14 Dec 1999 12:46:18 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [58037] CW Learning.
Message-ID: <3856AC9A.44F479AD@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, with a show of hands, how many of you who are frustrated with the code have actually packed up the microphone so that you can focus on your goal of unconscious competence?

I say again, "Perfect Practice makes perfect". Who decides on what is perfect practice? I think part of the answer is to be spoken by those operators who have reached the unconscious competency plateau.

Practice Sessions: The military taught in 50 minute sessions,
6 hours a day!

Duration of practice has been suggested at 20 minutes. Wow, where
the heck is the data to support that as optimum?

How about: Practice as often and as long as possible to the degree
it satisfies your comfort level and allows you to meet
other obligations.

It took me 3 weeks at 2 to 3 hours per night to get the bug sending
to an acceptable level I felt proud to qso with. Why stop at 20
minutes of practice when you feel like 2 hours today. 4 hours!
Maybe not at all.... Don't pour concrete around your feet just
because no one likes the shoes.

Don't like structured training? Practice the code in a QSO. If
you can't get on the air due to no license, LISTEN. Get that
radio and listen to the code. By all means if you don't even
know the code, get a code tape or CD to play. Once learned,
practice.

What not time? Turn off the TV, FM Radio and substitute a radio
to monitor a known QRP frequency. After about 20 or 30 QSO's
with very marginal headcopy you'll start picking it up as a
"formula QSO", perhaps predicting what is to be sent next. You'll
move on, get on the air and find yourself blazing away in
no time. Perhaps telling everyone how easy it was once
you put the mike away and made it fun to do.

And someone will flame you and tell you that you 'experts' make
him sick and it doesn't come easy to him like it did to you.

You'll offer to elmer and make new friends.

72/Ed we6w (who sent his first dit/dah in April, 1997)

--

-72/Ed WE6W; AR Millennium Q's=> 2381/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Tue, 14 Dec 1999 12:49:29 -0800

From: "Radman" <radman@best.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <walexan@ipa.net>
Subject: [58038] Finding the REAL Don Johnson...
Message-ID: <00f801bf4674\$b9ef94a0\$94dd56ce@vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I believe the most frequently asked question on the entire Internet is: "How do I contact Don Johnson?"

I hadn't talked with Don Johnson/W6AAQ - of Screwdriver Antenna fame (not 'Miami Vice' fame) - for several years. I decided to give him a call and see what he's up to. A brief history: Don's been an active HF mobile op since 1948 and holds the patent on his original Screwdriver design. He's happily producing more Screwdrivers than ever -- just shipped a couple of new antennas to HI this morning. He also notes he's selling a **lot** more screwdrivers to QRPers than ever before. He produces "runs" of 50 antennas at a time, sells them out and does it again. It's a hobby-business for him, and he does all the machining and manufacturing right at his home in Esparto, CA -- that's a bit north-west of Sacramento.

His current offering includes some recent enhancements/upgrades (also patented) that Don says will differentiate his original Screwdriver from the competitors offerings. Current price of a single Screwdriver is \$150 plus USPS or UPS. Five Screwdrivers shipped to the same address cost \$550 including US postage -- group buy incentive :-) And, if you're driving around in 6-Land and want to take the full tour of Don's operation, the personal tour costs \$125 and you get a FREE Screwdriver at the end of the tour!

How to contact Don Johnson... (most frequently asked question on the Internet.) First of all, Don **wants** you to contact him -- he's a colorful guy; funny, very friendly and a wealth of information. However, he doesn't own or want to own an answering machine - so you have to catch him when he's home or keep calling back. Second, Don would rather build Screwdriver antennas than answer email, so he detached his email account -- even though his son owns an ISP! You're welcome to call him at his home: (530) 787 3905 - normal PST hours. Or, you can write to him via surface mail:

Don Johnson
Box 595
Esparto CA 95627-0595

Dons' web site (remember the email link doesn't work) is URL:

<http://www.mother.com/~webspin2/W6AAQ/text.html>

Almost forgot... if you own an original Don Johnson Screwdriver and need parts/repairs... Don has a special deal for you. You pay shipping both ways on your antenna, plus \$10 and he'll get you all fixed up AND upgrade you to the latest rev. Check with Don before you send it off to him -- it must be one of **his** antennas to qualify!

And, if you want to contact Don Johnson of 'Miami Vice' fame... that's considerably more difficult. But, I'm working on it ;)

GL es 72,

Conrad Weiss - NN6CW -- not related to **either** of the Don Johnsons' :-)

Date: Tue, 14 Dec 1999 13:19:51 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58039] Antennas and Falling weights.
Message-ID: <3856B477.4674B68A@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't know if this was answered already. One solution to the falling bucket problem dealing with maintaining wire antenna tension is to do something like:

- 1) Change pulley mount to use a spring or bungee cord. Run the antenna attached cord thru the now shock-mounted pulley and down to a fixed tie down.
- OR --
- 2) Remove existing weight and replace with anchored spring or rubber cord to a tiedown.
- 3) Combine 1 & 2.

72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2381/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Tue, 14 Dec 1999 15:35:18 -0500
From: CLAUDE PALUSKI <claudewb9euu@juno.com>
To: QRP-L@LEHIGH.EDU
Subject: [58040] Re Questions
Message-ID: <19991214.153520.3214.0.CLAUDEWB9EUU@juno.com>

Gentlemen one and all,
(oops! and ladies, too)

May Santa bring a sleigh-full of goodies to all of you good people who answered my query.

Had over ten replies in a matter of hours, and now have the slashed zero, which these 77 year old eyes can distinguish from plain old 0's. , and will be shopping for a new wristwatch to replace my 55 year old Longines.

May you all have a happy, healthy and blessed holiday season.

72,
Claude WB9EUU

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Date: Tue, 14 Dec 1999 16:47:10 -0500
From: "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>
To: qrp-l@Lehigh.EDU
Subject: [58041] Ten-Tec Triton IV for sale
Message-ID: <76B2C11F0337D3118A670008C7F9DBC701B7C470@0H0012EXCH002U>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hello All

I guess I need to clear out some of the shack. I now have a Scout I want to use so I am going to attempt to sell my trusty Triton IV.

For Sale

Ten-Tec Triton IV SSB and CW 80 through 10 meter ham band transceiver.

NO WARC bands.

Condition is clean and operation is good.

Power supply is included with sale.

Manual included. (not sure if it is a copy
or original)

Modified with an internal filter with switch
mounted on out board box.

For \$300.00 I will box it up and ship in CON
US.

For voice questions call 614-428-9713
evenings after 6:00PM

Martin (Marty) Hartwell

KD8BJ

MI-QRP club M-1395 - CQRP club

QRP-L 199

And some other organizations

139 Spring Park Pl. Gahanna, OH 43230

Email: chartwell@worldnet.att.net

Date: Tue, 14 Dec 1999 15:53:42 -0600
From: "Michael Gusky" <mgusky@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58042] K2 Sold!
Message-ID: <005701bf467d\$b0b2fe00\$20ca4dd8@P3450>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The K2 is sold. Thank all of you (and I mean "all") that responded. I had

at least 40 responses and actually could have sold the rig for more, but it went at the asking price to the first response. I'll probably see some of you guys again when I cycle back into ham radio.

73
Mike
K5UX

Date: Tue, 14 Dec 1999 14:07:29 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58043] Nets/Activities and Vacation.
Message-ID: <3856BFA1.FB3A5E97@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

More than two of you have emailed asking whether I'll be on the air during my vacation.

Rest assured, everywhere I go includes access to the HF bands!

See (meet/qso) you on the air! 72/Ed we6w

--
-72/Ed WE6W; AR Millennium Q's=> 2381/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Tue, 14 Dec 1999 17:14:51 -0500
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <cgreene@loa.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58044] Re: Vacuum tube rigs for milliwattting A LOT OF FUN !
Message-ID: <002701bf4680\$a51a84c0\$02db4e0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi, Arnie!

I know that is posible to use 12Vdc in a triode oscilator (i.e.12AT7) but

the question is:

What kind of Po can a triode deliver, (i.e.6C4) with 12v Ep ?

Have you tried something like that ? (....I'm sure you have)

I've seen, (although not operated), RXs with tubes fed directly from a 12vdc supply.

I don't have a tubes manual handy, (I'll look for my old RCA tubes manualI'm sure is in the basement somewhere.....).

Imagine operating a tube QRP portable.... You don't need a light at night to log your QSOs, just use the tube's own glow !

72 de

Hugo

CX9AAK/W2

>

Date: Tue, 14 Dec 1999 09:11:16 -0600

From: Mark R Milburn <kq0i@juno.com>

To: iaqrp-l@divis17.ped-gen.uiowa.edu

Cc: qrp-l@lehigh.edu

Subject: [58045] Wednesday night CW net

Message-ID: <19991214.161059.-220261.0.KQ0I@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Just a reminder that the Iowa CW net will be held at 7 PM CST Wednesday night. I will be the NCS, and I'll try to get a clear spot as near to 7.110 as I can. Anyone is welcome and encouraged to check in and exchange a comment or two. As the bands have lengthened out, we are seeing an increase in participants, and we would like to include you.

After the 40 meter net, we are still trying to get some information for an 80 meter net, so we will switch down to about 3.715 and see who has capabilities for that band, and who is interested. The first week was very encouraging, so let's keep it going.

We start on time and we don't dawdle, so get tuned up and give us a call.

72/73 Mark KQ0I

Des Moines, Iowa

Date: Tue, 14 Dec 1999 17:17:30 -0500 (EST)

From: Joel Malman <malman@world.std.com>

To: qrp-1@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [58046] ARRL Frequency Guide
Message-ID: <199912142217.RAA04537@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Re: ARRL publishes "Considerate Operator's Frequency Guide".
(QST: January 2000, page 65)

It seems to me that since the ARRL is publishing this Guide or bandplan, they support and recommend its use.

Beside the obvious problem of assigning 7040 to both the RTTY DX window and the QRP calling frequency, the only other thing that I have never been able to understand about the "Considerate Operator's Frequency Guide", is the choice of 10.140 to 10.150 for "Automatically controlled data stations".

The FCC rules state in Section 97.303, paragraph d (page 9-30, Chapter 9 of the 1998 FCC rule book, published by the ARRL itself):

QUOTE

NO amateur station transmitting in the 30 meter band shall cause harmful interference to stations authorized by other nations in the fixed service. The licensee of the amateur station MUST MAKE ALL NECESSARY ADJUSTMENTS, INCLUDING TERMINATION OF TRANSMISSIONS, IF HARMFUL INTERFERENCE IS CAUSED."

UNQUOTE (Caps added by me).

So, can someone please explain how an "Automatically controlled data station" makes these necessary adjustments? How does it know when to shut itself off? How does it know when it is causing harmful interference? What kind of controls does it have? An AI computer? Mr Spock (Star Trek)? Divine intervention?

Confused - joel K1QM

--

/joel K1QM (K1 Queen Mary) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Tue, 14 Dec 1999 17:35:24 -0500
From: sergio <sruiz@bright.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58047] Re: laminate from Sergio

Message-ID: <3856C62C.D863819B@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Thank you so very much for your thoughtfulness of the QRP community.
> Myself and I'm sure the others who have benefited from your un-selfish
> giving of your time & resources -- We say THANK YOU!

cool! i am glad i liked your order... i am back to the shear machine
again in a little while here to gather more..

i need help! i got an order, but it was butchered by the postal
service.. so all i got in the mail was part of a return label..

it says..

"iordan"

does anyone here match that description?

--

--

peace,
sergio

<http://www.bright.net/~sruiz> <-- The Village Buzz

"quoting other people is really lame and unoriginal" ...sergio

Date: Mon, 13 Dec 1999 23:02:57 EST
From: kc8aon@juno.com
To: k1oj@ditdit.com, qrp-l@Lehigh.EDU
Subject: [58048] Re: How CW on FM?
Message-ID: <19991214.175239.4575.0.kc8aon@juno.com>

How did you find anyone on your repeater that could copy code ? Folks on
the repeaters around my part of the world continuously comment - "If I
could only copy code" or "I sure wish I could copy code", and when you
ask them "why don't you take the time to learn the code ?" They always
make excuses of some sort like - "I'm waiting for the FCC to restructure
so I don't have to" or "I just don't have the time" and my all time
favorite, "I have a high frequency hearing loss and can't hear it".
That's when I tell them that I too have a high frequency hearing loss,
along with about a 50% nerve deafness in my right ear due to an explosion
that broke my cheek bones and left a constant ringing in my ears, and I

can copy code at about 18 wpm ! And, I am working hard at getting to 20 wpm ! I have offered to start a code practice net on the local repeater and no one seems interested. Then they get mad when no one wants to call the 2 meter traffic net that they have daily in which the only traffic that they pass is the net report from the previous day ! Ask them to pass a piece of routine traffic and they all run and hide ! Oh well, nuf steam vented, I'll get off my soapbox !

73.....kc8aon

Rick.....Ohio

I've done so much so long with so little, I can now do anything with nothing !

>>>IF YOU ARE "RADIO ACTIVE", YOUR RIG SHOULD GLOW IN THE DARK !

+++++

On Mon, 13 Dec 1999 19:41:54 -0600 K10J <k10j@ditdit.com> writes:

>Howdy All,

>Mike makes a good point about using the sidetone from your CW rig and

>holding the FM rig's microphone near the speaker. Following a fairly

>serious

>surgery last year, I returned home with no voice above a whisper. I

>used

>this method to communicate with the local boys on the two meter

>repeater. It

>always came through strong and clear. I think it drove some of them

>nuts but

>under the circumstances, the use of CW was welcomed. It couldn't be

>easier

>to accomplish and you already have everything you need.

>

>OJ---K10J

>dit dit

>

>

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Date: Tue, 14 Dec 1999 18:00:37 -0500

From: "J. Ervin Bates" <w8erv@email.msn.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [58049] FS: ICOM 706 MK2 w/500hz CW Filter

Message-ID: <01e401bf4687\$098c9280\$be451b3f@win98>

Well gang, they say problems come in threes and I got my three this week.

I am forced to sell my ICOM 706 MK2. It comes with 500hz CW filter and is in excellent condition. The rig is only 11 months old and comes with mike, manual, original packaging and, of course, the radio. This rig has never been mobile (no bracket, sri) and is in a non-smoking environment.

I will have another, but I must get through the holidays first. Price is \$900 for the lot and I will ship CONUS via FedEx. Please email with all questions (off list) and I'll help arrange delivery.

72/73,
Erv W8ERV

Date: Tue, 14 Dec 1999 17:02:16 -0600
From: "Bill Allen" <bill@pcatexas.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58050] Re: How CW on FM?
Message-ID: <000a01bf4687\$471bd980\$356840ce@bill.ou-town.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We are considering starting to offer code practice on the two meter repeater in our locality.

: -)

73
KC5ADF
Bill Allen

-----Original Message-----
From: kc8aon@juno.com <kc8aon@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, December 14, 1999 4:56 PM
Subject: Re: How CW on FM?

>How did you find anyone on your repeater that could copy code ? Folks on
>the repeaters around my part of the world continuously comment - "If I
>could only copy code" or "I sure wish I could copy code", and when you

>ask them "why don't you take the time to learn the code ?" They always
>make excuses of some sort like - "I'm waiting for the FCC to restructure
>so I don't have to" or "I just don't have the time" and my all time
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>along with about a 50% nerve deafness in my right ear due to an explosion
>that broke my cheek bones and left a constant ringing in my ears, and I
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>and no one seems interested. Then they get mad when no one wants to call
>the 2 meter traffic net that they have daily in which the only traffic
>that they pass is the net report from the previous day ! Ask them to
>pass a piece of routine traffic and they all run and hide ! Oh well, nuf
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>

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>Rick.....Ohio

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>

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>>always came through strong and clear. I think it drove some of them
>>nuts but

>>under the circumstances, the use of CW was welcomed. It couldn't be
>>easier

>>to accomplish and you already have everything you need.

>>

>>0J---K10J

>>dit dit

>>

>>

>

>

>-----
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Date: Tue, 14 Dec 1999 18:23:39 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [58051] Re: Antennas and Falling weights.
Message-ID: <199912142304.SAA12266@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> I don't know if this was answered already. One solution to
> the falling bucket problem dealing with maintaining wire
> antenna tension is to do something like:

Or attach a second line to the weight and tie to another branch!
(With suitable slack of course) That way it can't fall far.

Or, just let the weight hang a few feet off the ground. That's what I
do.

BTW, if you use a plastic milk jug or the like, be aware these are
made from uv degradable plastics, so if it sees a lot of sun, it will
self destruct in a few months.

I use one of those old cast iron window stash weights myself. Also, I
found having the pulley on it's own rope can help, as sometimes the
rope to the antenna slips off the pulley and gets jammed. Lot easier
to lower the rope with the pulley than to climb back up the tree to
unjam it! I suppose having the right pulley/rope combination would
solve that problem too!

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 14 Dec 1999 15:17:33 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [58052] FT:10 MHz ultra stable osc.
Message-ID: <3856D00D.160DB8C8@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, while we all still remember what my 10 MHz oscillator is, I'd like to get my hands on one:

IAMBIC PADDLE, Full-sized quality Vibroplex.

Trade straight across.

I have the Vibroplex Bug, Original; also a Vibroplex non-iambic paddle, and would like to close out this collection with a Vibroplex Iambic paddle. I want this heavy one for the station.

I got no offers for a MIG or TIG Welding unit in trade for this OVEN-sized lab-quality 10 MHz standard.

I'd rather have a TIG welder.....

Please let me know, tomorrow is my last email access until 1/6/2000!

Best to all, 72, Ed we6w.

--

-72/Ed WE6W; AR Millennium Q's=> 2381/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Tue, 14 Dec 1999 18:40:42 EST

From: K2UD@aol.com

To: revinger@comwares.net

Cc: qrp-l@lehigh.edu

Subject: [58053] Re: "new" boat anchor

Message-ID: <0.4caeedf.25882f7a@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Check out that radio carefully, some versions of it had a QRP XMTR built into them! They were the rare ones. Some glowbug fan can probably tell you which model it is.

Look for crystal sockets inside and a key jack (or terminals).

72

Howard Kraus, K2UD

either version. Please respond off the list. Thanks. =

-mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

End of QRP-L Digest 1669

